

Appendix 10.5 Breeding Bird Survey 2004 – 2005

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M74 JUNCTION 5, RAITH

BREEDING BIRD SURVEYS 2004 / 2005

REPORT

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1 INTRODUCTION

1.1 Background

The aim of the survey was to establish the breeding bird ecology of the Raith junction area at the border of North and South Lanarkshire. The focus of this report is the results of breeding bird surveys in 2004 and 2005 of an area of 176 ha centred on Raith junction. Survey visits in 2004 were carried out between 29 April 2004 and the 24 June 2004. Survey visits in 2006 were carried out on 25 May, 31 May, 18 June and 2 July 2005

1.2 Consultations and Desk Study

Consultations (relevant to ornithological interests) with the following organisations and individuals were undertaken:

- Concern for Swifts;
- Glasgow City Council Biodiversity Officer;
- Hamilton Natural History Society;
- North Lanarkshire Council's Ecology and Planning/Development Departments;
- Royal Society for the Protection of Birds (RSPB Scotland);
- Scottish Executive Environment Group (Countryside and Natural Heritage);
- Scottish Natural Heritage (SNH, Lanark Office);
- South Lanarkshire Council Planning/Development Departments; and
- South Lanarkshire Council Biodiversity Officer.

Concern for Swifts provided information stating that swifts (*Apus apus*) may nest within older buildings surrounding Raith junction. Moreover, Strathclyde Country Park (southeast of Raith junction) is a major congregating and regional feeding area for swifts. Raith junction is used as an occasional roosting site by lapwing (*Vanellus vanellus*). The North Lanarkshire Council Biodiversity officer advised that LBAP species present at Raith Interchange were lapwing, snipe (*Gallingo gallingo*) and swift.

RSPB advised that there are a number of LBAP species recorded within the A8 corridor and the Raith junctions and these species may be nesting. There is considerable potential for the area to contain breeding RSPB red listed Birds of Conservation Concern (BoCC), which are species that have been determined to have undergone rapid decline in the UK in the past 25 years, and RSPB amber listed BoCC, which have declined to a moderate degree in the UK in the past 25 years.

The southern part of the survey area that lies between the M74 and A725 comprises land, open water and watercourses designated as SSSI because they are of national ornithological importance, supporting a small but diverse range of breeding birds.

Consultation with Bothwell Park Ringing Group (I Livingstone, Clyde Ringing Group, unpublished information), on sand martin counts from the 1990's indicate that the habitat around the Bothwell Park Pool (also known as Bluebell Pond, and shown as Pond Number 21 on Figure 10.11) provided a safe spring roost for the majority of the Lanarkshire population. High numbers of birds (c. 2000 - 4000 peaks) were recorded in 1995 and 1996. The area around Bothwell Park Pool is reported to be the only known



spring roost site within the Clyde recording area. The site is also used by migrating swallows in late August and September. For both these species there is reported to be no known alternative roost site in the Clyde valley. Birds from the rest of Scotland have also been recorded as using this site as a stop-over site on migration.

1.3 Breeding Bird Survey

The survey area is shown in Figure 1. The area was surveyed following the guidance published in Bird Monitoring Methods (Gilbert *et al*, 1998) and Bird Census Techniques (Bibby *et al*. 1992).

Birds were recorded using the British Trust for Ornithology's (BTO) Common Bird Census (CBC) methodology. The approach entails the accurate mapping of bird calls and songs because the survey area. The recording of bird sighting data is quite limited in the survey area as much of the area comprises habitats within which birds are not often clearly visible, e.g. woodland, scrub, fen and tall-herb vegetation.

On each visit a walkover survey was conducted by experienced ornithologists and the position of all birds observed or heard was recorded accurately on survey maps. During the surveys in May 2005 a handheld GPS was used to assist in the recording of the position of singing birds. Particular attention was aimed at finding nests or identifying breeding territories, both in the field and during data analysis. The visits were made during early mornings and late evenings in winds of Force 2 or less. These time periods enable a majority of the singing birds to be recorded.

Water rails were surveyed using the recommended method of playing a tape recording of their calls and listening for, and recording, their responses in likely breeding habitat. Waterbirds, other than water rail, nesting on Bothwell Park pond were recorded during two separate two hour observations from the lay-by on the embankment of the A725 that overlooks the pond. This included observation of brood sizes and ages as a means of separating different pairs and offspring. Reed buntings are generally considered to be best surveyed about one hour before dawn. However, the combination of evening and morning surveys was effective and pre-dawn reed bunting surveys were unnecessary.

Data handling and analysis

Due to the large amount of data collected by the survey method used, detailed estimations of the numbers of territorial birds were only calculated for key species, i.e. birds listed on Schedule 1 of the Wildlife and Countryside Act, 1981, birds listed on the UK Biodiversity Action Plan (UK BAP), red and amber list Birds of Conservation Concern (BoCC), the North and South Lanarkshire Local Biodiversity Action Plans (LBAPs) and bird species noted in the citation of the Site of Special Scientific Interest (SSSI) located close to Raith junction.

For clarity the Raith junction area is divided into four geographical areas, Figures 2 to 5, namely:

- Area A lies west of Raith Junction Laighland Figure 2;
- Area B lies north of Raith Junction Bothwell Park Figure 3;



- Area C lies east of Raith Junction the northern part of Strathclyde Country Park – Figure 4;
- Area D lies south of Raith Junction the northern part of Hamilton Low Parks SSSI – Figure 5; and
- Area E forms the periphery of the survey area see Figure 1.

Areas A, B and D are in South Lanarkshire and Area C is in North Lanarkshire.

Key areas which are affected by the proposed scheme were given proportionately more survey time i.e. the northern end of the SSSI and the large pond in the Bothwell Park that lies immediately north of the embankment of the A725 (hereafter referred to as the Bothwell Park pond).

1.4 Limitations of the Survey Methodology

All bird data are plotted on field maps in the position in which they are observed or heard. It is assumed that a breeding bird holding a territory will not move out with the territories boundary. Using this principle territory locations were estimated by identifying clusters of registrations of a species over different visits. Territories are most readily identified if birds are performing readily identifiable territorial behaviour (singing, defending their territory). On survey maps a singing bird is notated as its representative 1-2 figure code surrounded by a circle. Quiet or reserved species (for example, bullfinch) may be under recorded by this method.

The major difficulty with the survey was traffic noise, which makes it more difficult to hear bird songs and calls. This problem was combated by spending more time in the two most critical areas: the northern end of the SSSI and Bothwell Park pond. There is a possibility that some of the more secretive species which are mainly in song early in the breeding season may have been under-recorded e.g. dunnock. In addition, when surveying in tall fen it is sometimes difficult to work out the accurate location of singing birds, even with the assistance of a GPS. To address this problem, individual birds were listened to from a variety of angles in order to accurately pinpoint their locations.

To allow rapid interpretation of the data, birds were assigned to hectare grid squares (100m²). An individual bird may be recorded in different hectares during separate field visits; however, it is unlikely that a breeding bird holding a territory will move far from its territorial boundary. To avoid the possibility of double counting, survey maps from all visits were compared to identify territory locations.

1.5 Assessment of Ornithological Value

Evaluation of ornithological value of the bird survey data was carried out using the criteria based on the legal protection status of bird species and bird habitats (Table 1)



Table 1: Criteria for the evaluation of ornithological sites

LEVEL	DESCRIPTION
VERY HIGH	Species that form the cited interest of Special Protection Areas (SPAs) and Sites of Special Scientific Interest (SSSIs)
HIGH	Species which contribute to the integrity of an SPA or SSSI but which are not cited as species (or part of an assemblage of species). Presence of sensitive species such as rare birds (<300 breeding pairs in the UK). Species present in nationally important numbers (>1% UK population)
MEDIUM	Species on Annex 1 of the EC Birds Directive Species present in regionally important numbers (>1% of regional population). Species occurring within SPAs and SSSIs but not crucial to the integrity of the site. Species listed as priority species in UK Biodiversity Action Plan subject to special conservation measures. Species listed on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended)
LOW	Any other species of conservation interest not covered above, e.g. species listed in Birds of Conservation Importance (JNCC, 2003)

1.6 Consultations and Desk Study

Concern for Swifts provided information stating that swifts may nest within older buildings surrounding Raith junction. Moreover, Strathclyde Country Park (southeast of Raith junction) is a major congregating and regional feeding area for swifts. Raith junction is used as an occasional roosting site by lapwing. The North Lanarkshire Council Biodiversity officer advised that LBAP species present at Raith Interchange were lapwing, snipe and swift.

RSPB advised that there are a number of LBAP species recorded within the A8 corridor and the Raith junctions and these species may be nesting. There is considerable potential for the area to contain breeding red list Birds of Conservation Concern (BoCC), which are species that have been determined to have undergone rapid decline in the UK in the past 25 years, and amber list BoCC, which have declined to a moderate degree in the UK in the past 25 years. The survey area will also support green list BoCC, which are species that neither fall into the red list or



amber list categories, i.e. they are species that have favourable long-term UK conservation status.

I. Livingstone provided data (*pers comm*.) from the Clyde Ringing Group.

The southern part of the survey area that lies between the M74 and A725 comprises land, open water and watercourses designated as SSSI due to its national ornithological importance, supporting a diverse range of breeding and wintering birds.

1.7 Survey Results

2004 Survey

Surveys in 2004 were primarily to assist in scheme option selection, identifying and comparing the relative impacts on birds of three alternative designs. The preferred scheme (the subject of subsequent survey in 2005) was clearly the option having least impact on birds as it had the smallest footprint and was closely aligned to the existing junction layout. The surveys in 2004 recorded 51 breeding bird species in the survey area

The majority of data indicate the presence of breeding songbirds that are green-listed by the RSPB, i.e. of favourable long-term conservation status. A number of species of moderate UK conservation status (either priority LBAP species and / or RSPB amber list BoCC) were also recorded during the survey. These were; goldcrest (*Regulus regulus*), willow tit (*Parus montanus*), northern lapwing (*Vanellus vanellus*), house martin (*Delichon urbica*), dunnock (*Prunella modularis*), tree pipit (*Anthus trivialis*) and willow warbler (*Phylloscopus trochilus*). Seven species of high UK conservation status (UK BAP priority species and / or RSPB red list BoCC) were recorded during the survey. These are skylark (*Alauda arvensis*), reed bunting (*Emberiza schoeniclus*), bullfinch (*Pyrrhula pyrrhula*), song thrush (*Turdus philomellos*), house sparrow (*Passer domesticus*), starling (*Sturnus vulgaris*) and grasshopper warbler (*Locustella naevia*).

Water bodies in the northern, western and southern parts of the survey area host breeding reed bunting (a species listed as a priority species in the South Lanarkshire LBAP). Open farmland in the northern sector hosted breeding lapwing, sedge warbler, willow warbler and skylark. Water bodies in the northern part of the survey area hosted a range of breeding water birds. Bothwell Park hosted common songbirds such as siskin, greenfinch, sedge warbler, willow warbler, wood pigeon, blue tit, great tit, magpie, chaffinch and starling.

2005 Survey

Figures 2 to 5 illustrate the locations of breeding bird territories of all breeding birds in Areas A to D, respectively. These data are summarised in tables 2, 3 and 4, below. Table 5 presents a summary of bird data from 2004 breeding bird survey carried out as part of the assessment of alternative scheme options.



Table 2 Red List BoCC

Species	Area	Number of Territories
Skylark *	Α	2
	В	1
	С	0
	D	0
	Е	0
Song Thrush	A B	0
	В	0
	С	3
	D	1
	Е	1
Starling	Α	0
	В	0
	С	0
	D	1
	Е	2
House Sparrow	Α	0
	В	0
	С	0
	D	0
	Е	1
Bullfinch	Α	0
	B C	1
	С	0
	D	0
	Е	0
Reed Bunting	Α	1
	В	15
	С	0
	D	0
	Е	0



Table 3 Amber List BoCC

Species	Area	Number of Territories
Mute Swan	Α	0
	В	1
	С	0
	D	0
	E	2
Water Rail	Α	1
	В	2
	С	0
	D	0
	E	0
Lapwing *	Α	1
	В	0
	С	0
	D	0
	E	0
Dunnock	Α	1
	В	4
	С	5
	D	1
	E	2
Mistle Thrush	Α	1
	В	0
	С	0
	D	0
	E	2
Willow Warbler	Α	4
	В	11
	С	1
	D	5
	E	3



Table 4 Green List BoCC by Taxonomic Order

Species Area with No for Territori				
	Α	В	С	D
Waterbird Species				
Little Grebe		1		
Mallard		1		
Ruddy Duck		2		
Coot	1	4		
Moorhen	1	1		
Falconiforme Species	,			
Buzzard		1		
Columbiforme Species				
Woodpigeon	2	1		
Passerine Species				
Blackbird	1	6	2	1
Blackcap		1	1	
Blue Tit		4		1
Carrion Crow	2			1
Chaffinch	2	4		5
Chiffchaff	1			1
Coal Tit			1	
Garden Warbler		2		
Greenfinch	1	1		
Goldfinch		2		1
Great Tit		4	1	1
Long-tailed Tit	1			
Robin	4	5	3	2
Sedge Warbler	1	8		
Whitethroat	2	4		5
Wren	1	8		1

^{*} BAP Species



Red List BoCC in the Raith Junction Area

Reed Bunting

This species is quite clear cut in its habitat preferences. 12 out of 16 territories were within 50m of either open water or bulrush (*Typha latifolia*) swamp. The remaining pairs were either in rush pasture (3 pairs) or rank neutral grassland (1 pair). All but one of the 16 territories was in Area B, the other was in Area A. Three of these were along the south western fringe of Area B.

<u>Skylark</u>

This species only occurred on the extreme northern periphery of the survey area, which is unaffected by the preferred route option.

Song Thrush

Perhaps surprisingly 3 out of the 5 territories were within the caravan site of Strathclyde Country Park. However, this is an early nesting species and likely to have raised one brood before the period of elevated human disturbance. At least one young song thrush was seen. Along with other thrush species, road-kills feature prominently in ringing recovery details. Theoretically, the absence of this species from suitable roadside scrub in the study area may be related to the high volume of traffic.

Bullfinch

The bullfinch is one of the hardest passerines to pin down to specific nest sites. This is because the males do not indulge in singing but instead fly around over a huge area whilst the female is sitting. They can also move a considerable distance before raising a second brood. It is likely that at least one pair was breeding in the scrub surrounding Bothwell Park pond.

House Sparrow and Starling

Despite the residential areas close to the survey area, the proximate buildings did not appear to hold populations of house sparrow. For example, the houses on the western side of Area A were new and lacking in suitable nest cavities (the lack of jackdaws in the area was also significant suggesting the chimney pots were fitted with jackdaw / starling excluders). Therefore house sparrow and starling are not a significant consideration with respect to the proposed scheme.

Amber List BoCC in the Raith Junction Area

Willow Warbler

The amber listing of willow warbler is almost exclusively related to population declines in England, not Scotland. Most of the willow warblers (11 of the 24 territories recorded) were in the willow scrub surrounding Bothwell Park pond. As a ground nesting species they are susceptible to disturbance by public recreation activities including dogs, therefore it was not unexpected to record only one territory in the Strathclyde Country



Park caravan site bearing in mind the arrival / nesting time for this species coincided with Easter, which is typically when human activity itself increases significantly.

Dunnock

The survey indicates small numbers of dunnocks frequenting roadside scrub within the survey area. The species is extremely tolerant of human activities, as evidenced by 3 singing males on the caravan site in Strathclyde Country Park. Nevertheless, the species is susceptible to overzealous 'tidying' of its typical nesting habitat of dense low scrub, typically composed of bramble and gorse.

Water Rail

The BTO Breeding Bird Atlases show a very slight increase in the number of 10km squares containing breeding water rail in Scotland (53 squares in 1993 compared to 47 squares in 1976). Conversely the Clyde area shows a decline due to loss of habitat. In the survey area there are at least 3 breeding territories of water rail (2 pairs at Bothwell Park pond and 1 pair at Laighland). Generally speaking, it is important to retain a high water level (10-15cm) in the marginal vegetation with respect to the breeding requirements for this species e.g. breeding distribution and response to changes in water level management (personal communication with Leighton Moss RSPB reserve manger John Wilson).

Mute Swan

There was conflicting survey evidence with respect to mute swans. The earlier 2004 survey visits suggested the presence of nesting mute swans on Bothwell Park pond. However, this observation was not borne out by following survey visits. Nevertheless, the survey area has the capacity to support a single pair of breeding mute swans.

Mistle Thrush

The mistle thrush is typically a denizen of parkland and suburban gardens and similar habitats. The survey indicates that the species occurs on the periphery of the site (e.g. one pair at the north-west of the Laighland area and two pairs on the edge of the playing fields of Strathclyde Country Park). This species is not likely to be affected by the proposed scheme.

Lapwing

One pair of breeding lapwings was recorded within the Laighland area.

Conclusions

The survey area supports a wide range of breeding bird species, indicative of the diverse mosaic of habitats to be found in this relatively small area. Red and Amber listed species are present.

The proposed scheme will entail the loss of habitat suitable for breeding birds, but the overall impact of this is not high given the availability of similar habitat nearby. The most sensitive locations are the SSSI itself (a small part of which will be directly lost to the scheme) and the wetland at Bothwell Pond, which is vulnerable to indirect disturbance.



Water levels at Bothwell Pond and Laighland are critical to the water rail that are present there, and an adverse impact on this species would occur if water levels were to appreciably decrease during or after construction.

The scheme will have a slight adverse impact on the existing screening planting between the A725 and the caravan site, likely to affect Dunnock (amber listed) and Song Thrush (red listed). Screening planting replacement alongside the caravan site will obviously take time to grow therefore there will be an interim period where the area of potential breeding habitat will be reduced.

Detailed survey indicates that the impact of the proposed scheme on the ornithological interest of the SSSI is minimal providing that a) there is no encroachment into the remainder of the SSSI by machinery or plant during the construction phase and b) the remaining SSSI is securely fenced and protected as part of the construction phase.

It is recommended that shallow wetland scrapes area created for breeding/passage/wintering waders is considered for any suitable areas where this will not lead to the removal of notable plant species. This habitat diversification would benefit lapwing amongst other species.

It is not considered likely that the proposed scheme will have any detrimental effect on flight lines, for example by increasing road kills. No new overhead lines are proposed, and the scheme is generally at or below existing road levels. Anew elevated pedestrian/cycleway bridge will be constructed to provide a safer crossing for people, but this will be highly visible and will not adversely affect bird flight lines across the area.

There are possibilities of short-term major negative impact on especially Bothwell Pond (e.g. major adverse impact on Water Rail) if there are any problems with compensating for any lowering of the water table due to drainage considerations during construction.

It is not possible to mitigate the effects of construction disturbance other than damage limitation by carefully making sure heavy plant does not encroach on to any more of the wetland area than is necessary for the road construction. Proximate disturbance (e.g. Reed Buntings nesting in SW corner of Area B) is a major negative but this will hopefully only involve one breeding/wintering season, therefore the impact can be classed as slight adverse.

Increased levels of human disturbance could adversely affect breeding birds, especially if the construction of the scheme allowed an increased level of human activity in previously undisturbed areas, such as around Bothwell Pond and in the SSSI. Mitigation planting of scrub and trees will in time replace lost screening and breeding habitat, but it is recommended that while such planting is establishing, secure fencing is put in place to prevent increased levels of human disturbance to sensitive locations.

Although willow tit were not recorded during the surveys, it is recommended that opportunities to create conditions favourable to willow tit are explored further as part of the mitigation plan for the proposed scheme



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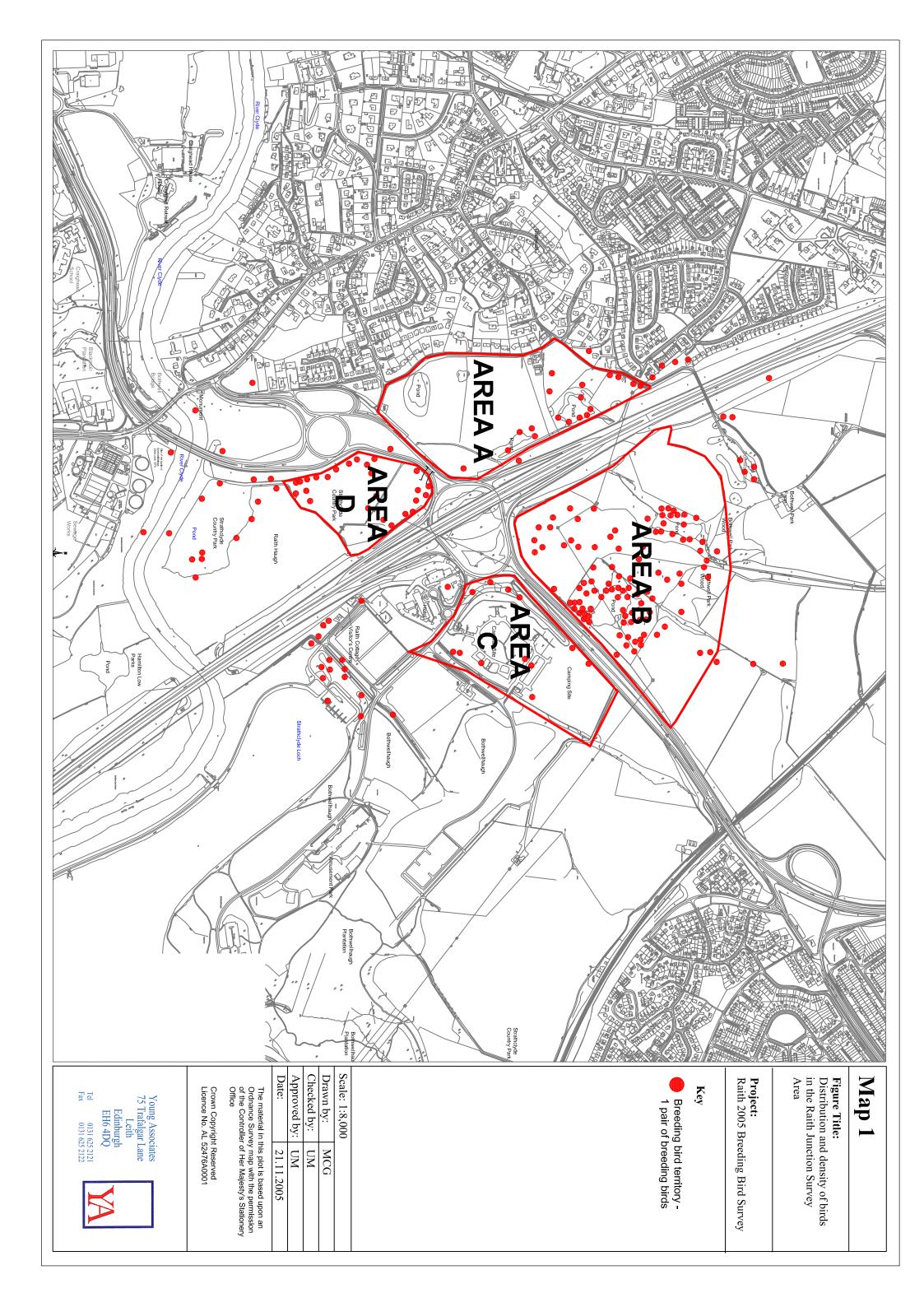
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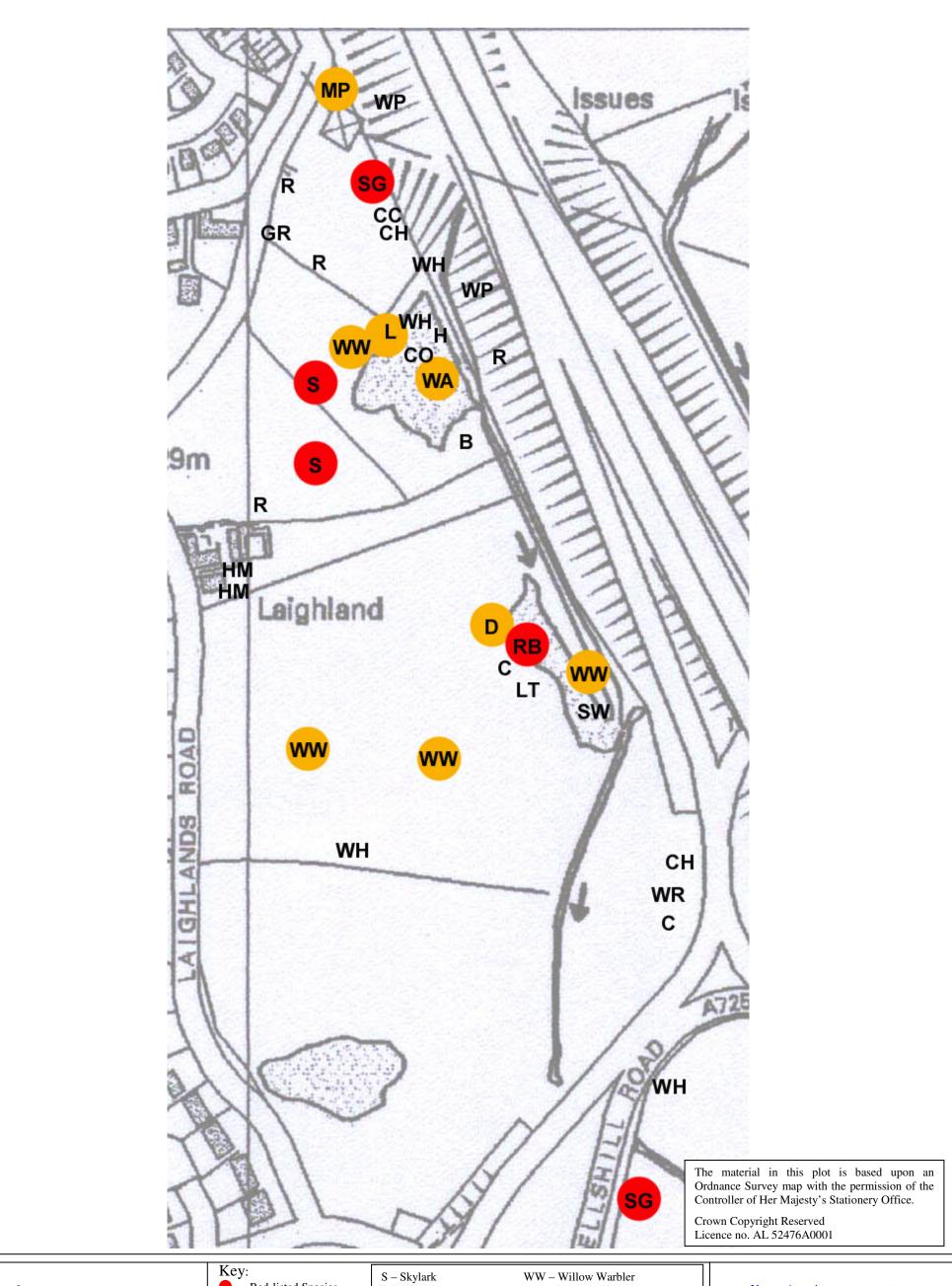
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South Lanarkshire Biodiversity Partnership (2004) South Lanarkshire Biodiversity Action Plan.





Map 2

Project: B4400

Title:

Raith 2005 Breeding Bird Survey Area A Laighland

Red-listed Species Amber-listed Species

S – Skylark SG – Starling RB – Reed Bunting

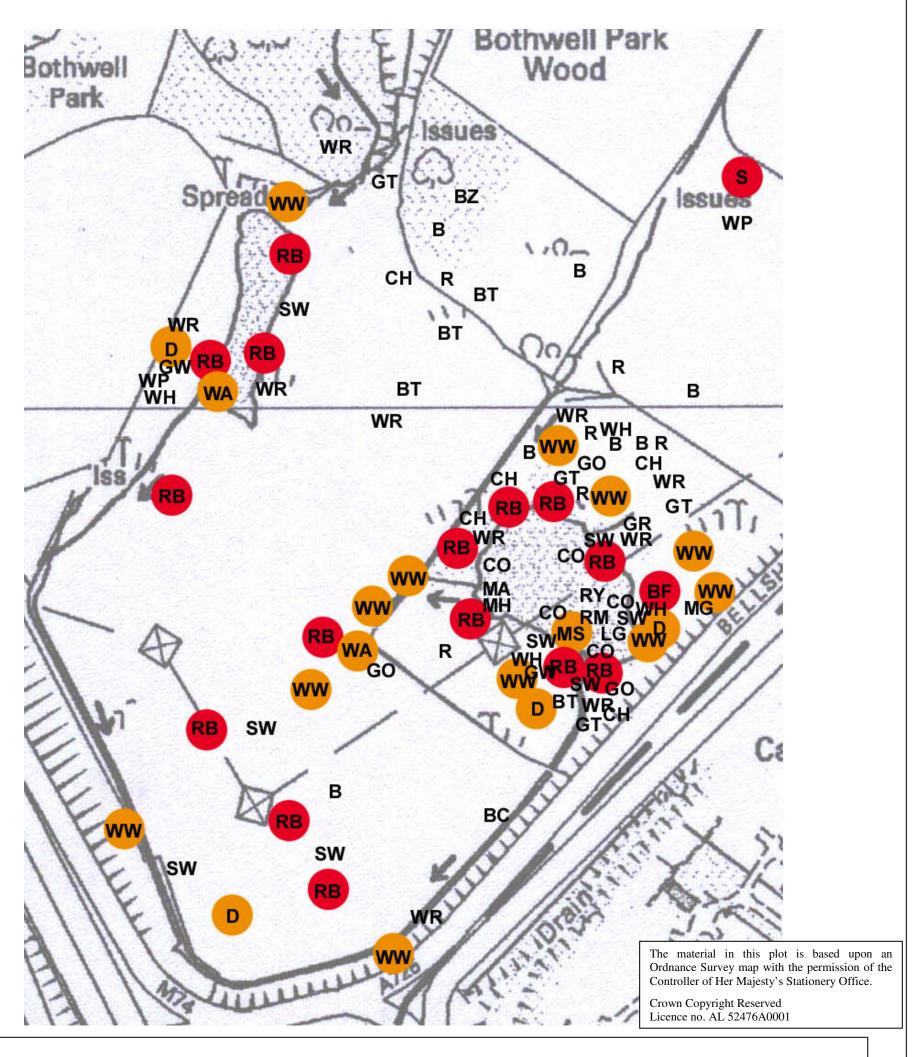
D – Dunnock

 $M-Mistle\ Thrush$ L – Lapwing

Other Species
Carrion Crow, Chaffinch, Chiffchaff, Coot, Greenfinch, Grey Heron, Long-tailed Tit, Moorhen, Robin, Sedge Warbler, Whitethroat, Wood Pigeon

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Red-listed species (High Conservation Concern)
Amber-listed species (Medium Conservation Concern)

Red-listed species
RB Reed Bunting 15 prs

S Skylark 1 pr BF Bullfinch 1 pr Amber-listed species

WW Willow Warbler 11 prs
D Dunnock 4 prs
WA Water Rail 2 prs

1 pr

WA Water Rail MS Mute Swan Other species

B Blackbird BT Blue Tit BZ Buzzard

CH Chaffinch
CO Coot
GW Garden Warbler

GO Goldfinch GT Great Tit LG Little Grebe MA Mallard

MH Moorhen

RM Red-breasted Merganser R Robin

RD Ruddy Duck SW Sedge Warbler WH Whitethroat WP Woodpigeon

WR Wren

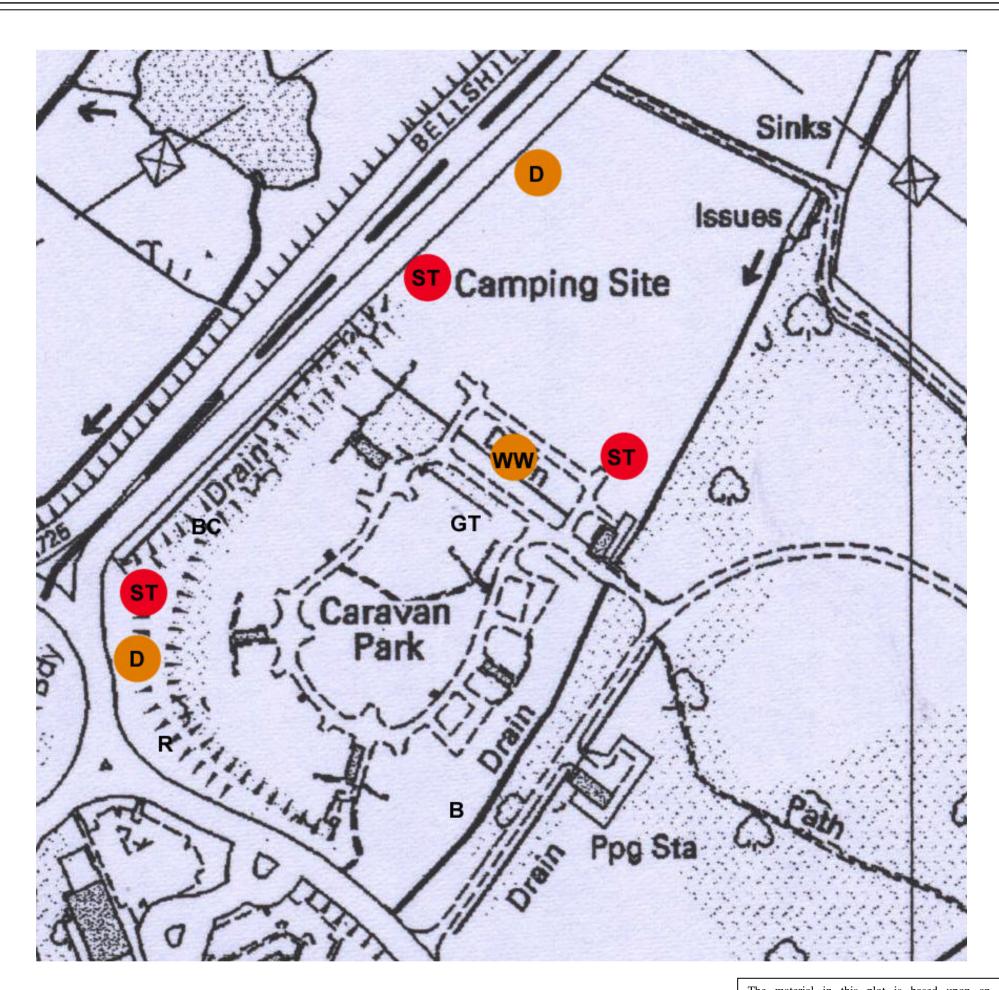
Map 3

Project: B4400

Title:

Raith 2005 Breeding Bird Survey Area B Bothwell Pond Young Associates 75 Trafalgar Lane Leith Edinburgh EH6 4DQ





The material in this plot is based upon an Ordnance Survey map with the permission of the Controller of Her Majesty's Stationery Office.

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Map 4

Project: B4400

Title:

Raith 2005 Breeding Bird Survey Area C Caravan Site Red-listed Species

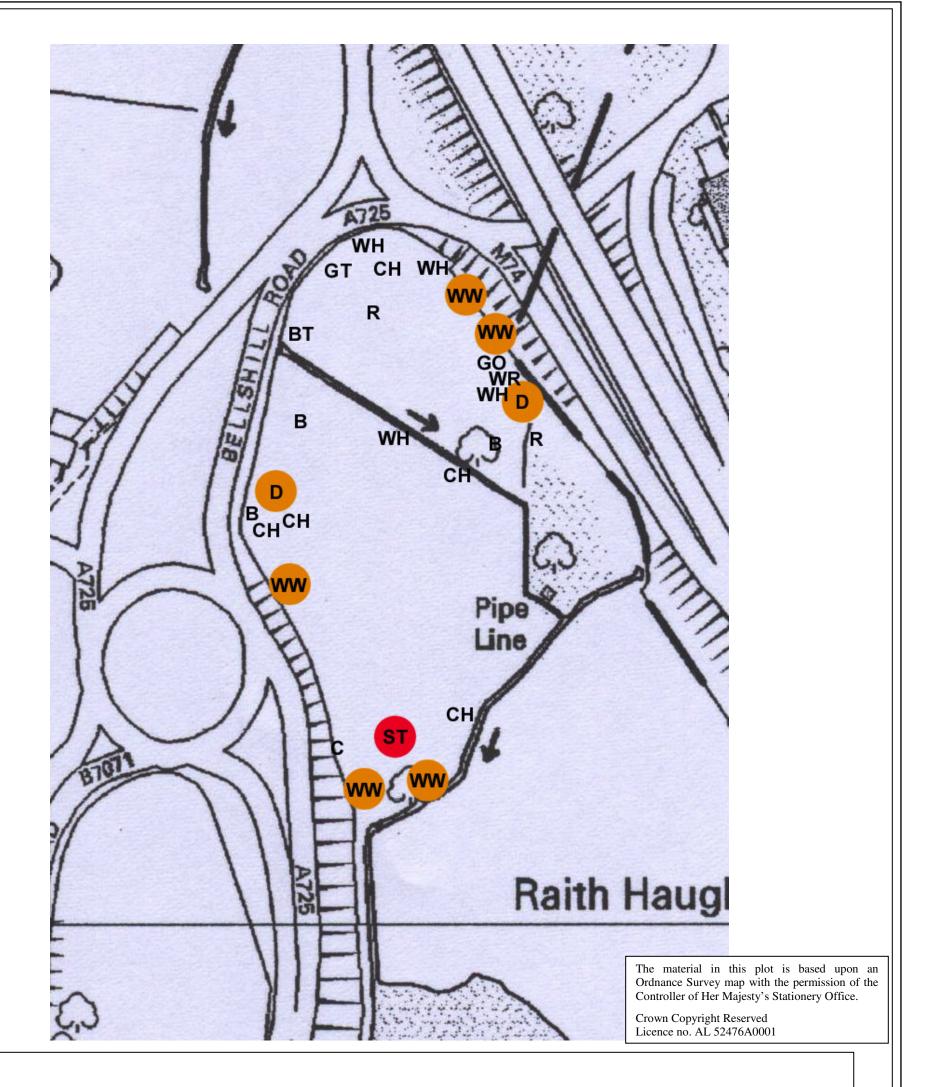
Amber-listed Species

Other Species
B - Blackbird BC - Blackcap
GT - Great Tit R - Robin

ST – Song Thrush 3prs WW – Willow Warbler 1pr D – Dunnock 3 prs

Young Associates 75 Trafalgar Lane Leith Edinburgh EH6 4DQ





Key:

Red-listed species (High Conservation Concern)

Amber-listed species (Medium Conservation Concern)

STSong Thrush 1pr Willow Warbler 5 prs D Dunnock 2 prs

Other species
B - Blackbird, BT - Blue Tit, C - Carrion Crow, CH - Chaffinch, GO - Goldfinch, R - Robin, WH - Whitethroat, WP - Wood Pigeon

Map 5

Project: B4400

Title:

Raith 2005 Breeding Bird Survey Area D Northern End of SSSI

Young Associates 75 Trafalgar Lane Leith Edinburgh EH6 4DQ





Table 5 2004 Breeding Bird data (for option assessment)

Species	Scientific Name	Count	Grid reference	Date
Barn Swallow	Hirundo rustica	2	NS.710.586	07-May-04
Barn Swallow	Hirundo rustica	1	NS.710.584	24-Jun-04
Barn Swallow	Hirundo rustica	3	NS.714.589	24-Jun-04
Barn Swallow	Hirundo rustica	3	NS.715.593	08-Jun-04
Barn Swallow	Hirundo rustica	1	NS.716.578	24-Jun-04
Barn Swallow	Hirundo rustica	1	NS.716.589	07-May-04
Barn Swallow	Hirundo rustica	1	NS.716.589	08-Jun-04
Barn Swallow	Hirundo rustica	1	NS.716.590	29-Apr-04
Barn Swallow	Hirundo rustica	6	NS.717.581	24-Jun-04
Barn Swallow	Hirundo rustica	13	NS.717.582	24-Jun-04
Barn Swallow	Hirundo rustica	1	NS.717.583	29-Apr-04
Barn Swallow	Hirundo rustica	1	NS.718.580	24-Jun-04
Barn Swallow	Hirundo rustica	1	NS.718.580	24-Jun-04
Barn Swallow	Hirundo rustica	1	NS.718.583	24-Jun-04
Barn Swallow	Hirundo rustica	3	NS.718.590	24-Jun-04
Barn Swallow	Hirundo rustica	1	NS.718.591	08-Jun-04
Barn Swallow	Hirundo rustica	1	NS.718.591	24-Jun-04
Blackbird	Turdus merula	1	NS.710.578	25-May-04
Blackbird	Turdus merula	3	NS.710.586	07-May-04
Blackbird	Turdus merula	1	NS.710.587	07-May-04
Blackbird	Turdus merula	2	NS.710.589	07-May-04
Blackbird	Turdus merula	1	NS.711.579	24-Jun-04
Blackbird	Turdus merula	1	NS.711.582	25-May-04
Blackbird	Turdus merula	1	NS.712.582	07-May-04
Blackbird	Turdus merula	1	NS.713.580	25-May-04
Blackbird	Turdus merula	1	NS.713.587	07-May-04
Blackbird	Turdus merula	1	NS.713.591	26-May-04
Blackbird	Turdus merula	1	NS.713.591	26-May-04
Blackbird	Turdus merula	1	NS.714.577	24-Jun-04
Blackbird	Turdus merula	1	NS.714.579	25-May-04
Blackbird	Turdus merula	1	NS.714.582	07-May-04
Blackbird	Turdus merula	1	NS.714.582	25-May-04
Blackbird	Turdus merula	1	NS.714.588	26-May-04
Blackbird	Turdus merula	1	NS.714.590	26-May-04
Blackbird	Turdus merula	1	NS.714.592	26-May-04
Blackbird	Turdus merula	1	NS.715.578	25-May-04
Blackbird	Turdus merula	1	NS.715.579	06-May-04
Blackbird	Turdus merula	1	NS.715.579	25-May-04
Blackbird	Turdus merula	1	NS.715.587	25-May-04
Blackbird	Turdus merula	1	NS.715.589	07-May-04
Blackbird	Turdus merula	1	NS.715.590	29-Apr-04



Species	Scientific Name	Count	Grid reference	Date
Blackbird	Turdus merula	1	NS.715.590	29-Apr-04
Blackbird	Turdus merula	1	NS.715.590	29-Apr-04
Blackbird	Turdus merula	1	NS.715.590	26-May-04
Blackbird	Turdus merula	3	NS.715.591	29-Apr-04
Blackbird	Turdus merula	1	NS.715.591	26-May-04
Blackbird	Turdus merula	1	NS.715.591	08-Jun-04
Blackbird	Turdus merula	1	NS.716.578	25-May-04
Blackbird	Turdus merula	1	NS.716.582	25-May-04
Blackbird	Turdus merula	1	NS.716.584	24-Jun-04
Blackbird	Turdus merula	3	NS.716.585	24-Jun-04
Blackbird	Turdus merula	2	NS.716.586	26-May-04
Blackbird	Turdus merula	1	NS.716.589	08-Jun-04
Blackbird	Turdus merula	1	NS.716.590	29-Apr-04
Blackbird	Turdus merula	2	NS.716.590	25-May-04
Blackbird	Turdus merula	1	NS.716.591	29-Apr-04
Blackbird	Turdus merula	1	NS.716.591	25-May-04
Blackbird	Turdus merula	1	NS.717.578	25-May-04
Blackbird	Turdus merula	1	NS.717.580	25-May-04
Blackbird	Turdus merula	1	NS.717.580	24-Jun-04
Blackbird	Turdus merula	1	NS.717.581	24-Jun-04
Blackbird	Turdus merula	1	NS.717.582	26-May-04
Blackbird	Turdus merula	1	NS.717.582	24-Jun-04
Blackbird	Turdus merula	2	NS.717.584	24-Jun-04
Blackbird	Turdus merula	1	NS.717.586	24-Jun-04
Blackbird	Turdus merula	1	NS.717.587	26-May-04
Blackbird	Turdus merula	2	NS.718.579	25-May-04
Blackbird	Turdus merula	2	NS.718.580	24-Jun-04
Blackbird	Turdus merula	1	NS.718.582	24-Jun-04
Blackbird	Turdus merula	1	NS.718.584	07-May-04
Blackbird	Turdus merula	1	NS.718.585	29-Apr-04
Blackbird	Turdus merula	1	NS.718.585	24-Jun-04
Blackbird	Turdus merula	1	NS.718.587	24-Jun-04
Blackbird	Turdus merula	1	NS.718.589	24-Jun-04
Blackbird	Turdus merula	1	NS.718.590	24-Jun-04
Blackbird	Turdus merula	1	NS.718.592	24-Jun-04
Blackbird	Turdus merula	1	NS.719.586	24-Jun-04
Black-headed Gull	Larus ridibundus	1	NS.713.578	25-May-04
Black-headed Gull	Larus ridibundus	2	NS.713.589	07-May-04
Black-headed Gull	Larus ridibundus	1	NS.714.577	25-May-04
Black-headed Gull	Larus ridibundus	2	NS.719.582	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.711.579	24-Jun-04
Blue Tit	Parus caeruleus	2	NS.712.579	25-May-04
Blue Tit	Parus caeruleus	2	NS.712.580	25-May-04



Species	Scientific Name	Count	Grid reference	Date
Blue Tit	Parus caeruleus	1	NS.713.578	25-May-04
Blue Tit	Parus caeruleus	1	NS.713.580	25-May-04
Blue Tit	Parus caeruleus	1	NS.713.587	07-May-04
Blue Tit	Parus caeruleus	1	NS.713.591	26-May-04
Blue Tit	Parus caeruleus	1	NS.714.577	24-Jun-04
Blue Tit	Parus caeruleus	2	NS.714.581	07-May-04
Blue Tit	Parus caeruleus	1	NS.714.581	25-May-04
Blue Tit	Parus caeruleus	1	NS.714.582	07-May-04
Blue Tit	Parus caeruleus	1	NS.714.589	07-May-04
Blue Tit	Parus caeruleus	1	NS.714.590	26-May-04
Blue Tit	Parus caeruleus	1	NS.714.591	29-Apr-04
Blue Tit	Parus caeruleus	3	NS.714.591	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.715.577	06-May-04
Blue Tit	Parus caeruleus	1	NS.715.584	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.715.590	29-Apr-04
Blue Tit	Parus caeruleus	3	NS.715.590	24-Jun-04
Blue Tit	Parus caeruleus	2	NS.715.591	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.715.591	25-May-04
Blue Tit	Parus caeruleus	1	NS.715.591	26-May-04
Blue Tit	Parus caeruleus	1	NS.715.591	08-Jun-04
Blue Tit	Parus caeruleus	3	NS.715.591	24-Jun-04
Blue Tit	Parus caeruleus	3	NS.715.591	24-Jun-04
Blue Tit	Parus caeruleus	2	NS.716.577	25-May-04
Blue Tit	Parus caeruleus	2	NS.716.578	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.716.579	25-May-04
Blue Tit	Parus caeruleus	2	NS.716.581	25-May-04
Blue Tit	Parus caeruleus	1	NS.716.582	25-May-04
Blue Tit	Parus caeruleus	1	NS.716.586	26-May-04
Blue Tit	Parus caeruleus	2	NS.716.587	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.716.588	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.716.588	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.716.589	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.716.589	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.716.589	07-May-04
Blue Tit	Parus caeruleus	1	NS.716.589	25-May-04
Blue Tit	Parus caeruleus	2	NS.716.589	08-Jun-04
Blue Tit	Parus caeruleus	1	NS.716.590	29-Apr-04
Blue Tit	Parus caeruleus	3	NS.716.590	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.716.590	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.716.590	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.716.590	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.716.591	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.716.591	29-Apr-04



Species	Scientific Name	Count	Grid reference	Date
Blue Tit	Parus caeruleus	1	NS.716.591	08-Jun-04
Blue Tit	Parus caeruleus	1	NS.716.595	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.717.578	25-May-04
Blue Tit	Parus caeruleus	1	NS.717.581	25-May-04
Blue Tit	Parus caeruleus	1	NS.717.584	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.717.585	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.717.592	08-Jun-04
Blue Tit	Parus caeruleus	1	NS.718.579	25-May-04
Blue Tit	Parus caeruleus	1	NS.718.580	25-May-04
Blue Tit	Parus caeruleus	1	NS.718.581	07-May-04
Blue Tit	Parus caeruleus	1	NS.718.583	26-May-04
Blue Tit	Parus caeruleus	1	NS.718.584	07-May-04
Blue Tit	Parus caeruleus	1	NS.718.585	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.718.585	29-Apr-04
Blue Tit	Parus caeruleus	3	NS.718.585	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.718.586	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.718.586	29-Apr-04
Blue Tit	Parus caeruleus	1	NS.718.586	24-Jun-04
Blue Tit	Parus caeruleus	2	NS.718.587	29-Apr-04
Blue Tit	Parus caeruleus	2	NS.718.587	26-May-04
Blue Tit	Parus caeruleus	1	NS.718.587	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.718.588	26-May-04
Blue Tit	Parus caeruleus	1	NS.718.592	08-Jun-04
Blue Tit	Parus caeruleus	4	NS.719.587	24-Jun-04
Blue Tit	Parus caeruleus	1	NS.719.590	08-Jun-04
Blue Tit	Parus caeruleus	1	NS.720.578	25-May-04
Bullfinch	Pyrrhula pyrrhula	2	NS.716.590	25-May-04
Carrion Crow	Corvus corone corone	1	NS.710.583	25-May-04
Carrion Crow	Corvus corone corone	1	NS.711.581	24-Jun-04
Carrion Crow	Corvus corone corone	1	NS.711.583	25-May-04
Carrion Crow	Corvus corone corone	1	NS.712.583	24-Jun-04
Carrion Crow	Corvus corone corone	2	NS.712.584	25-May-04
Carrion Crow	Corvus corone corone	1	NS.712.589	26-May-04
Carrion Crow	Corvus corone corone	1	NS.713.586	25-May-04
Carrion Crow	Corvus corone corone	1	NS.713.591	26-May-04
Carrion Crow	Corvus corone corone	1	NS.714.580	25-May-04
Carrion Crow	Corvus corone corone	1	NS.714.589	24-Jun-04
Carrion Crow	Corvus corone corone	1	NS.714.592	26-May-04
Carrion Crow	Corvus corone corone	2	NS.714.586	29-Apr-04
Carrion Crow	Corvus corone corone	2	NS.715.587	24-Jun-04
Carrion Crow	Corvus corone corone	1	NS.715.593	08-Jun-04
Carrion Crow	Corvus corone corone	1	NS.715.587	29-Apr-04
Carrion Crow	Corvus corone corone	1	NS.716.578	25-May-04



Species	Scientific Name	Count	Grid reference	Date
Carrion Crow	Corvus corone corone	3	NS.716.579	25-May-04
Carrion Crow	Corvus corone corone	1	NS.716.582	25-May-04
Carrion Crow	Corvus corone corone	1	NS.716.589	24-Jun-04
Carrion Crow	Corvus corone corone	1	NS.717.588	26-May-04
Carrion Crow	Corvus corone corone	1	NS.718.578	25-May-04
Carrion Crow	Corvus corone corone	1	NS.718.582	07-May-04
Carrion Crow	Corvus corone corone	2	NS.720.591	26-May-04
Chaffinch	Fringilla coelebs	2	NS.711.578	25-May-04
Chaffinch	Fringilla coelebs	1	NS.711.586	07-May-04
Chaffinch	Fringilla coelebs	1	NS.711.588	25-May-04
Chaffinch	Fringilla coelebs	1	NS.712.583	07-May-04
Chaffinch	Fringilla coelebs	1	NS.712.586	25-May-04
Chaffinch	Fringilla coelebs	1	NS.713.578	06-May-04
Chaffinch	Fringilla coelebs	1	NS.713.582	07-May-04
Chaffinch	Fringilla coelebs	2	NS.713.582	25-May-04
Chaffinch	Fringilla coelebs	1	NS.713.583	07-May-04
Chaffinch	Fringilla coelebs	1	NS.714.577	25-May-04
Chaffinch	Fringilla coelebs	1	NS.714.579	06-May-04
Chaffinch	Fringilla coelebs	1	NS.714.581	07-May-04
Chaffinch	Fringilla coelebs	1	NS.714.581	07-May-04
Chaffinch	Fringilla coelebs	1	NS.714.581	25-May-04
Chaffinch	Fringilla coelebs	2	NS.715.579	06-May-04
Chaffinch	Fringilla coelebs	1	NS.715.589	07-May-04
Chaffinch	Fringilla coelebs	2	NS.715.591	08-Jun-04
Chaffinch	Fringilla coelebs	1	NS.715.593	25-May-04
Chaffinch	Fringilla coelebs	1	NS.716.580	06-May-04
Chaffinch	Fringilla coelebs	2	NS.716.581	25-May-04
Chaffinch	Fringilla coelebs	1	NS.716.590	24-Jun-04
Chaffinch	Fringilla coelebs	1	NS.716.591	25-May-04
Chaffinch	Fringilla coelebs	1	NS.716.591	26-May-04
Chaffinch	Fringilla coelebs	1	NS.716.591	08-Jun-04
Chaffinch	Fringilla coelebs	2	NS.717.580	06-May-04
Chaffinch	Fringilla coelebs	1	NS.717.580	25-May-04
Chaffinch	Fringilla coelebs	1	NS.717.587	26-May-04
Chaffinch	Fringilla coelebs	1	NS.717.589	08-Jun-04
Chaffinch	Fringilla coelebs	2	NS.717.590	25-May-04
Chaffinch	Fringilla coelebs	1	NS.717.592	25-May-04
Chaffinch	Fringilla coelebs	3	NS.718.579	25-May-04
Chaffinch	Fringilla coelebs	1	NS.718.580	07-May-04
Chaffinch	Fringilla coelebs	1	NS.718.581	07-May-04
Chaffinch	Fringilla coelebs	2	NS.718.582	26-May-04
Chaffinch	Fringilla coelebs	1	NS.718.587	26-May-04
Chaffinch	Fringilla coelebs	2	NS.718.588	26-May-04



Species	Scientific Name	Count	Grid reference	Date
Chaffinch	Fringilla coelebs	1	NS.718.591	24-Jun-04
Chaffinch	Fringilla coelebs	1	NS.719.582	07-May-04
Chiffchaff	Phylloscopus collybita	1	NS.715.590	29-Apr-04
Chiffchaff	Phylloscopus collybita	1	NS.715.591	29-Apr-04
Buzzard	Buteo buteo	1	NS.714.589	07-May-04
Buzzard	Buteo buteo	1	NS.714.591	08-Jun-04
Buzzard	Buteo buteo	3	NS.714.592	29-Apr-04
Buzzard	Buteo buteo	1	NS.714.592	26-May-04
Buzzard	Buteo buteo	1	NS.715.592	25-May-04
Buzzard	Buteo buteo	1	NS.716.589	08-Jun-04
Buzzard	Buteo buteo	1	NS.716.591	24-Jun-04
Kestrel	Falco tinnunculus	1	NS.710.588	07-May-04
Kestrel	Falco tinnunculus	1	NS.714.591	26-May-04
Kestrel	Falco tinnunculus	1	NS.715.589	08-Jun-04
Kestrel	Falco tinnunculus	1	NS.715.591	08-Jun-04
Whitethroat	Sylvia communis	4	NS.713.582	07-May-04
Whitethroat	Sylvia communis	1	NS.714.582	07-May-04
Whitethroat	Sylvia communis	2	NS.715.577	06-May-04
Whitethroat	Sylvia communis	1	NS.715.591	29-Apr-04
Whitethroat	Sylvia communis	2	NS.716.577	06-May-04
Whitethroat	Sylvia communis	1	NS.716.577	24-Jun-04
Whitethroat	Sylvia communis	1	NS.718.590	24-Jun-04
Coot	Fulica atra	1	NS.713.590	08-Jun-04
Coot	Fulica atra	1	NS.714.577	06-May-04
Coot	Fulica atra	1	NS.715.589	25-May-04
Coot	Fulica atra	2	NS.715.890	08-Jun-04
Coot	Fulica atra	2	NS.716.588	29-Apr-04
Coot	Fulica atra	4	NS.716.588	07-May-04
Coot	Fulica atra	5	NS.716.588	08-Jun-04
Coot	Fulica atra	3	NS.716.589	24-Jun-04
Dunnock	Prunella modularis	1	NS.712.581	25-May-04
Dunnock	Prunella modularis	1	NS.714.577	25-May-04
Dunnock	Prunella modularis	1	NS.714.585	25-May-04
Goldcrest	Regulus regulus	2	NS.715.591	24-Jun-04
Goldcrest	Regulus regulus	2	NS.716.591	24-Jun-04
Goldcrest	Regulus regulus	1	NS.718.582	24-Jun-04
Goldfinch	Carduelis carduelis	9	NS.714.588	08-Jun-04
Goldfinch	Carduelis carduelis	3	NS.716.579	25-May-04
Grasshopper Warbler	Locustella naevia	1	NS.714.589	07-May-04
Great Black-backed				
Gull	Larus marinus	1	NS.716.591	29-Apr-04
Great Cormorant	Phalacrocorax carbo	4	NS714.577	06-May-04
Great Crested Grebe	Podiceps cristatus	1	NS.716.588	29-Apr-04



Species	Scientific Name	Count	Grid reference	Date
Great Tit	Parus major	1	NS.716.578	25-May-04
Great Tit	Parus major	2	NS.710.587	07-May-04
Great Tit	Parus major	1	NS.710.588	07-May-04
Great Tit	Parus major	2	NS.710.589	07-May-04
Great Tit	Parus major	2	NS.711.578	25-May-04
Great Tit	Parus major	1	NS.712.582	25-May-04
Great Tit	Parus major	1	NS.712.583	25-May-04
Great Tit	Parus major	5	NS.713.583	07-May-04
Great Tit	Parus major	1	NS.713.583	25-May-04
Great Tit	Parus major	1	NS.714.579	25-May-04
Great Tit	Parus major	1	NS.714.582	07-May-04
Great Tit	Parus major	1	NS.714.591	29-Apr-04
Great Tit	Parus major	1	NS.714.592	29-Apr-04
Great Tit	Parus major	2	NS.715.577	25-May-04
Great Tit	Parus major	1	NS.715.589	07-May-04
Great Tit	Parus major	3	NS.715.590	25-May-04
Great Tit	Parus major	1	NS.715.590	24-Jun-04
Great Tit	Parus major	2	NS.715.591	29-Apr-04
Great Tit	Parus major	1	NS.715.591	29-Apr-04
Great Tit	Parus major	2	NS.715.591	25-May-04
Great Tit	Parus major	1	NS.715.591	08-Jun-04
Great Tit	Parus major	2	NS.715.591	24-Jun-04
Great Tit	Parus major	2	NS.715.593	08-Jun-04
Great Tit	Parus major	1	NS.716.578	24-Jun-04
Great Tit	Parus major	3	NS.716.581	25-May-04
Great Tit	Parus major	1	NS.716.584	24-Jun-04
Great Tit	Parus major	1	NS.716.588	29-Apr-04
Great Tit	Parus major	1	NS.716.588	29-Apr-04
Great Tit	Parus major	1	NS.716.588	25-May-04
Great Tit	Parus major	1	NS.716.589	07-May-04
Great Tit	Parus major	1	NS.716.589	25-May-04
Great Tit	Parus major	1	NS.716.590	29-Apr-04
Great Tit	Parus major	2	NS.716.590	25-May-04
Great Tit	Parus major	2	NS.716.590	24-Jun-04
Great Tit	Parus major	3	NS.716.591	29-Apr-04
Great Tit	Parus major	1	NS.716.591	25-May-04
Great Tit	Parus major	1	NS.716.591	24-Jun-04
Great Tit	Parus major	3	NS.716.591	24-Jun-04
Great Tit	Parus major	1	NS.716.581	24-Jun-04
Great Tit	Parus major	2	NS.717.590	25-May-04
Great Tit	Parus major	2	NS.717.591	24-Jun-04
Great Tit	Parus major	1	NS.718.578	25-May-04
Great Tit	Parus major	1	NS.718.580	25-May-04



Species	Scientific Name	Count	Grid reference	Date
Great Tit	Parus major	1	NS.718.584	07-May-04
Great Tit	Parus major	1	NS.718.585	29-Apr-04
Great Tit	Parus major	1	NS.718.585	24-Jun-04
Great Tit	Parus major	2	NS.718.593	24-Jun-04
Great Tit	Parus major	1	NS.719.588	26-May-04
Greenfinch	Carduelis chloris	1	NS.716.579	25-May-04
Greenfinch	Carduelis chloris	1	NS.716.586	26-May-04
Greenfinch	Carduelis chloris	1	NS.716.591	26-May-04
Greenfinch	Carduelis chloris	1	NS.719.589	26-May-04
Grey Heron	Ardea cinerea	1	NS.710.584	07-May-04
Grey Heron	Ardea cinerea	1	NS.711.583	25-May-04
Grey Heron	Ardea cinerea	1	NS.712.584	07-May-04
Grey Heron	Ardea cinerea	1	NS.713.578	25-May-04
Grey Heron	Ardea cinerea	1	NS.714.577	25-May-04
Grey Heron	Ardea cinerea	1	NS.714.579	25-May-04
Grey Heron	Ardea cinerea	2	NS.715.579	25-May-04
Grey Heron	Ardea cinerea	1	NS.715.586	29-Apr-04
Grey Heron	Ardea cinerea	1	NS.717.579	25-May-04
Grey Heron	Ardea cinerea	1	NS.717.580	25-May-04
Grey Heron	Ardea cinerea	1	NS.717.583	24-Jun-04
Grey Heron	Ardea cinerea	1	NS.719.589	24-Jun-04
House Martin	Delichon urbica	3	NS.719.583	24-Jun-04
House Sparrow	Passer domesticus	1	NS.712.582	07-May-04
Jackdaw	Corvus monedula	8	NS.710.583	07-May-04
Jackdaw	Corvus monedula	1	NS.715.591	08-Jun-04
Jackdaw	Corvus monedula	3	NS.716.578	25-May-04
Jackdaw	Corvus monedula	4	NS.716.586	26-May-04
Jackdaw	Corvus monedula	1	NS.716.591	24-Jun-04
Jackdaw	Corvus monedula	1	NS.717.585	26-May-04
Jackdaw	Corvus monedula	1	NS.717.587	26-May-04
Little Grebe	Tachybaptus ruficollis	1	NS.716.587	29-Apr-04
Little Grebe	Tachybaptus ruficollis	1	NS.718.580	07-May-04
Long-tailed Tit	Aegithalos caudatus	2	NS.715.590	29-Apr-04
Magpie	Pica pica	1	NS.710.588	07-May-04
Magpie	Pica pica	1	NS.711.581	25-May-04
Magpie	Pica pica	1	NS.711.583	24-Jun-04
Magpie	Pica pica	1	NS.711.586	25-May-04
Magpie	Pica pica	1	NS.711.588	07-May-04
Magpie	Pica pica	1	NS.711.588	25-May-04
Magpie	Pica pica	1	NS.712.581	25-May-04
Magpie	Pica pica	1	NS.712.583	25-May-04
Magpie	Pica pica	1	NS.713.583	25-May-04
Magpie	Pica pica	1	NS.713.585	24-Jun-04



Species	Scientific Name	Count	Grid reference	Date
Magpie	Pica pica	1	NS.713.591	26-May-04
Magpie	Pica pica	1	NS.714.581	25-May-04
Magpie	Pica pica	1	NS.714.589	26-May-04
Magpie	Pica pica	1	NS.715.593	08-Jun-04
Magpie	Pica pica	1	NS.716.585	26-May-04
Magpie	Pica pica	1	NS.716.586	26-May-04
Magpie	Pica pica	1	NS.716.587	29-Apr-04
Magpie	Pica pica	1	NS.717.578	25-May-04
Magpie	Pica pica	1	NS.717.580	25-May-04
Magpie	Pica pica	1	NS.717.582	07-May-04
Magpie	Pica pica	1	NS.717.582	24-Jun-04
Magpie	Pica pica	1	NS.717.585	26-May-04
Magpie	Pica pica	1	NS.717.586	24-Jun-04
Magpie	Pica pica	1	NS.717.588	26-May-04
Magpie	Pica pica	1	NS.717.590	24-Jun-04
Magpie	Pica pica	2	NS.717.591	24-Jun-04
Magpie	Pica pica	2	NS.717.592	24-Jun-04
Magpie	Pica pica	2	NS.718.581	07-May-04
Magpie	Pica pica	1	NS.718.582	26-May-04
Magpie	Pica pica	1	NS.718.582	26-May-04
Magpie	Pica pica	1	NS.718.583	24-Jun-04
Magpie	Pica pica	1	NS.718.586	29-Apr-04
Magpie	Pica pica	1	NS.718.592	24-Jun-04
Magpie	Pica pica	2	NS.719.583	24-Jun-04
Magpie	Pica pica	2	NS.719.588	26-May-04
Mallard	Anas platyrhynchos	1	NS.710.583	24-Jun-04
Mallard	Anas platyrhynchos	2	NS.713.577	25-May-04
Mallard	Anas platyrhynchos	6	NS.713.577	25-May-04
Mallard	Anas platyrhynchos	1	NS.713.578	25-May-04
Mallard	Anas platyrhynchos	2	NS.713.586	07-May-04
Mallard	Anas platyrhynchos	1	NS.714.577	06-May-04
Mallard	Anas platyrhynchos	1	NS.714.578	06-May-04
Mallard	Anas platyrhynchos	2	NS.714.586	07-May-04
Mallard	Anas platyrhynchos	2	NS.715.579	06-May-04
Mallard	Anas platyrhynchos	1	NS.715.579	25-May-04
Mallard	Anas platyrhynchos	3	NS.716.578	06-May-04
Mallard	Anas platyrhynchos	2	NS.716.583	07-May-04
Mallard	Anas platyrhynchos	1	NS.716.588	29-Apr-04
Mallard	Anas platyrhynchos	1	NS.717.577	06-May-04
Mallard	Anas platyrhynchos	1	NS.717.577	25-May-04
Mallard	Anas platyrhynchos	1	NS.717.581	25-May-04
Mallard	Anas platyrhynchos	1	NS.717.582	24-Jun-04
Mallard	Anas platyrhynchos	3	NS.718.578	06-May-04



Species	Scientific Name	Count	Grid reference	Date
Mallard	Anas platyrhynchos	4	NS.718.580	07-May-04
Mallard	Anas platyrhynchos	1	NS.719.582	25-May-04
Mallard	Anas platyrhynchos	1	NS.719.582	24-Jun-04
Mallard	Anas platyrhynchos	2	NS.720.577	25-May-04
Tree Pipit	Anthus trivialis	1	NS.712.588	26-May-04
Tree Pipit	Anthus trivialis	2	NS.713.587	07-May-04
Tree Pipit	Anthus trivialis	1	NS.713.587	26-May-04
Tree Pipit	Anthus trivialis	1	NS.713.588	29-Apr-04
Tree Pipit	Anthus trivialis	2	NS.713.588	26-May-04
Tree Pipit	Anthus trivialis	2	NS.714.587	26-May-04
Tree Pipit	Anthus trivialis	1	NS.714.588	29-Apr-04
Tree Pipit	Anthus trivialis	2	NS.714.589	08-Jun-04
Moorhen	Gallinula chloropus	1	NS.711.588	07-May-04
Moorhen	Gallinula chloropus	1	NS.713.578	25-May-04
Moorhen	Gallinula chloropus	1	NS.715.589	08-Jun-04
Mute Swan	Cygnus olor	2	NS.711.586	07-May-04
Mute Swan	Cygnus olor	1	NS.711.587	07-May-04
Mute Swan	Cygnus olor	1	NS.714.577	06-May-04
Mute Swan	Cygnus olor	1	NS.715.588	25-May-04
Mute Swan	Cygnus olor	1	NS.716.588	08-Jun-04
Mute Swan	Cygnus olor	1	NS.716.589	07-May-04
Mute Swan	Cygnus olor	1	NS.718.580	25-May-04
Mute Swan	Cygnus olor	1	NS.718.581	25-May-04
Mute Swan	Cygnus olor	2	NS.719.580	24-Jun-04
Mute Swan	Cygnus olor	2	NS.719.581	25-May-04
Northern Lapwing	Vanellus vanellus	1	NS.711.586	07-May-04
Northern Lapwing	Vanellus vanellus	2	NS.714.589	07-May-04
Northern Lapwing	Vanellus vanellus	2	NS.715.589	24-Jun-04
Northern Lapwing	Vanellus vanellus	17	NS.717.583	24-Jun-04
Northern Lapwing	Vanellus vanellus	53	NS.719.582	24-Jun-04
Northern Shoveler	Anas clypeata	2	NS.716.588	29-Apr-04
Oystercatcher	Haematopus ostralegus	1	NS.714.577	24-Jun-04
Pheasant	Phasianus colchicus	1	NS.714.581	07-May-04
Pheasant	Phasianus colchicus	1	NS.715.587	29-Apr-04
Reed Bunting	Emberiza schoeniclus	2	NS.711.583	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.711.585	07-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.711.586	07-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.711.588	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.712.579	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.712.586	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.713.579	25-May-04
Reed Bunting	Emberiza schoeniclus	2	NS.713.588	24-Jun-04
Reed Bunting	Emberiza schoeniclus	2	NS.713.589	07-May-04



Species	Scientific Name	Count	Grid reference	Date
Reed Bunting	Emberiza schoeniclus	2	NS.713.589	26-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.714.577	24-Jun-04
Reed Bunting	Emberiza schoeniclus	1	NS.714.585	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.714.589	26-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.714.590	26-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.715.578	25-May-04
Reed Bunting	Emberiza schoeniclus	2	NS.715.579	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.715.589	08-Jun-04
Reed Bunting	Emberiza schoeniclus	1	NS.715.589	24-Jun-04
Reed Bunting	Emberiza schoeniclus	1	NS.716.578	06-May-04
Reed Bunting	Emberiza schoeniclus	3	NS.716.579	25-May-04
Reed Bunting	Emberiza schoeniclus	2	NS.715.588	25-May-04
Reed Bunting	Emberiza schoeniclus	3	NS.716.589	07-May-04
Reed Bunting	Emberiza schoeniclus	2	NS.716.589	25-May-04
Reed Bunting	Emberiza schoeniclus	1	NS.716.589	08-Jun-04
Robin	Erithacus rubecula	1	NS.710.587	07-May-04
Robin	Erithacus rubecula	1	NS.710.589	07-May-04
Robin	Erithacus rubecula	1	NS.711.578	25-May-04
Robin	Erithacus rubecula	1	NS.711.581	25-May-04
Robin	Erithacus rubecula	1	NS.711.586	25-May-04
Robin	Erithacus rubecula	1	NS.711.587	07-May-04
Robin	Erithacus rubecula	1	NS.712.582	07-May-04
Robin	Erithacus rubecula	2	NS.713.578	06-May-04
Robin	Erithacus rubecula	2	NS.713.580	25-May-04
Robin	Erithacus rubecula	1	NS.713.582	25-May-04
Robin	Erithacus rubecula	1	NS.713.583	07-May-04
Robin	Erithacus rubecula	1	NS.713.587	07-May-04
Robin	Erithacus rubecula	1	NS.713.588	07-May-04
Robin	Erithacus rubecula	1	NS.714.582	07-May-04
Robin	Erithacus rubecula	2	NS.714.582	25-May-04
Robin	Erithacus rubecula	1	NS.714.589	07-May-04
Robin	Erithacus rubecula	2	NS.714.589	08-Jun-04
Robin	Erithacus rubecula	1	NS.714.589	24-Jun-04
Robin	Erithacus rubecula	2	NS.714.591	29-Apr-04
Robin	Erithacus rubecula	1	NS.715.580	25-May-04
Robin	Erithacus rubecula	1	NS.715.583	07-May-04
Robin	Erithacus rubecula	1	NS.715.584	26-May-04
Robin	Erithacus rubecula	1	NS.715.586	26-May-04
Robin	Erithacus rubecula	1	NS.715.589	07-May-04
Robin	Erithacus rubecula	1	NS.715.590	29-Apr-04
Robin	Erithacus rubecula	1	NS.715.590	25-May-04
Robin	Erithacus rubecula	1	NS.715.590	26-May-04
Robin	Erithacus rubecula	1	NS.715.592	25-May-04



Species	Scientific Name	Count	Grid reference	Date
Robin	Erithacus rubecula	1	NS.716.585	24-Jun-04
Robin	Erithacus rubecula	2	NS.716.588	25-May-04
Robin	Erithacus rubecula	1	NS.716.589	29-Apr-04
Robin	Erithacus rubecula	1	NS.716.589	07-May-04
Robin	Erithacus rubecula	1	NS.716.589	25-May-04
Robin	Erithacus rubecula	3	NS.716.590	29-Apr-04
Robin	Erithacus rubecula	1	NS.716.590	25-May-04
Robin	Erithacus rubecula	1	NS.716.591	29-Apr-04
Robin	Erithacus rubecula	1	NS.717.580	25-May-04
Robin	Erithacus rubecula	1	NS.717.580	24-Jun-04
Robin	Erithacus rubecula	1	NS.717.581	07-May-04
Robin	Erithacus rubecula	1	NS.717.581	24-Jun-04
Robin	Erithacus rubecula	1	NS.717.582	26-May-04
Robin	Erithacus rubecula	1	NS.717.584	29-Apr-04
Robin	Erithacus rubecula	1	NS.717.584	07-May-04
Robin	Erithacus rubecula	1	NS.717.589	07-May-04
Robin	Erithacus rubecula	1	NS.717.590	29-Apr-04
Robin	Erithacus rubecula	1	NS.718.579	25-May-04
Robin	Erithacus rubecula	1	NS.718.582	26-May-04
Robin	Erithacus rubecula	1	NS.718.583	07-May-04
Robin	Erithacus rubecula	1	NS.718.583	07-May-04
Robin	Erithacus rubecula	1	NS.718.585	29-Apr-04
Rook	Corvus frugilegus	1	NS.712.584	07-May-04
Rook	Corvus frugilegus	1	NS.713.591	26-May-04
Rook	Corvus frugilegus	1	NS.716.590	29-Apr-04
Rook	Corvus frugilegus	1	NS.717.585	24-Jun-04
Ruddy Duck	Oxyura jamaicensis	2	NS.716.588	29-Apr-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.711.586	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.713.578	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.713.580	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	3	NS.713.583	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.713.587	24-Jun-04
	Acrocephalus		NO 740 500	
Sedge Warbler	schoenobaenus	1	NS.713.588	24-Jun-04
Codgo Moweller	Acrocephalus	4	NO 740 500	07 Mari 04
Sedge Warbler	schoenobaenus	1	NS.713.589	07-May-04
Sedge Warkler	Acrocephalus	2	NS 714 570	25 Mov 04
Sedge Warbler	schoenobaenus	2	NS.714.579	25-May-04



Species	Scientific Name	Count	Grid reference	Date
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.715.586	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	2	NS.714.590	26-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.714.590	08-Jun-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	2	NS.714.590	24-Jun-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.715.577	06-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.715.577	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	2	NS.715.577	24-Jun-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	2	NS.715.588	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.716.577	24-Jun-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	3	NS.716.578	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	3	NS.716.579	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	2	NS.716.588	25-May-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.716.589	08-Jun-04
	Acrocephalus			
Sedge Warbler	schoenobaenus	1	NS.719.589	26-May-04
Siskin	Carduelis spinus	1	NS.718.582	26-May-04
Skylark	Alauda arvensis	1	NS.712.588	26-May-04
Skylark	Alauda arvensis	1	NS.713.587	26-May-04
Skylark	Alauda arvensis	1	NS.713.590	24-Jun-04
Skylark	Alauda arvensis	1	NS.714.588	26-May-04
Skylark	Alauda arvensis	1	NS.714.589	07-May-04
Skylark	Alauda arvensis	1	NS.714.589	24-Jun-04
Skylark	Alauda arvensis	1	NS.715.594	29-Apr-04
Skylark	Alauda arvensis	2	NS.716.578	06-May-04
Skylark	Alauda arvensis	1	NS.716.591	25-May-04
Skylark	Alauda arvensis	1	NS.717.590	25-May-04
Skylark	Alauda arvensis	1	NS.717.591	24-Jun-04
Skylark	Alauda arvensis	3	NS.717.592	08-Jun-04
Skylark	Alauda arvensis	1	NS.717.593	25-May-04
Skylark	Alauda arvensis	1	NS.717.593	08-Jun-04
Skylark	Alauda arvensis	1	NS.718.591	08-Jun-04



Species	Scientific Name	Count	Grid reference	Date
Skylark	Alauda arvensis	1	NS.718.592	24-Jun-04
Skylark	Alauda arvensis	1	NS.718.593	25-May-04
Skylark	Alauda arvensis	1	NS.720.592	08-Jun-04
Song Thrush	Turdus philomelos	1	NS.713.586	26-May-04
Song Thrush	Turdus philomelos	1	NS.716.590	24-Jun-04
Song Thrush	Turdus philomelos	2	NS.717.581	24-Jun-04
Song Thrush	Turdus philomelos	1	NS.718.579	25-May-04
Starling	Sturnus vulgaris	2	NS.710.583	07-May-04
Starling	Sturnus vulgaris	5	NS.710.584	07-May-04
Starling	Sturnus vulgaris	1	NS.710.585	07-May-04
Starling	Sturnus vulgaris	2	NS.710.588	07-May-04
Starling	Sturnus vulgaris	1	NS.710.588	25-May-04
Starling	Sturnus vulgaris	1	NS.711.583	25-May-04
Starling	Sturnus vulgaris	3	NS.711.584	07-May-04
Starling	Sturnus vulgaris	5	NS.711.585	07-May-04
Starling	Sturnus vulgaris	2	NS.711.586	25-May-04
Starling	Sturnus vulgaris	1	NS.712.583	25-May-04
Starling	Sturnus vulgaris	2	NS.712.586	25-May-04
Starling	Sturnus vulgaris	1	NS.712.588	26-May-04
Starling	Sturnus vulgaris	1	NS.713.586	25-May-04
Starling	Sturnus vulgaris	1	NS.713.591	26-May-04
Starling	Sturnus vulgaris	2	NS.713.591	26-May-04
Starling	Sturnus vulgaris	1	NS.714.585	25-May-04
Starling	Sturnus vulgaris	4	NS.714.587	26-May-04
Starling	Sturnus vulgaris	3	NS.714.588	26-May-04
Starling	Sturnus vulgaris	3	NS.714.590	24-Jun-04
Starling	Sturnus vulgaris	2	NS.715.583	26-May-04
Starling	Sturnus vulgaris	2	NS.715.591	26-May-04
Starling	Sturnus vulgaris	3	NS.715.592	25-May-04
Starling	Sturnus vulgaris	1	NS.716.585	26-May-04
Starling	Sturnus vulgaris	12	NS.716.586	26-May-04
Starling	Sturnus vulgaris	1	NS.716.590	24-Jun-04
Starling	Sturnus vulgaris	1	NS.716.591	24-Jun-04
Starling	Sturnus vulgaris	1	NS.717.582	07-May-04
Starling	Sturnus vulgaris	24	NS.717.583	24-Jun-04
Starling	Sturnus vulgaris	1	NS.717.586	26-May-04
Starling	Sturnus vulgaris	1	NS.717.588	26-May-04
Starling	Sturnus vulgaris	4	NS.717.591	26-May-04
Starling	Sturnus vulgaris	6	NS.717.592	24-Jun-04
Starling	Sturnus vulgaris	1	NS.718.588	26-May-04
Starling	Sturnus vulgaris	3	NS.718.592	25-May-04
Starling	Sturnus vulgaris	1	NS.719.582	07-May-04
Starling	Sturnus vulgaris	1	NS.719.589	26-May-04



Species	Scientific Name	Count	Grid reference	Date
Starling	Sturnus vulgaris	1	NS.719.590	08-Jun-04
Starling	Sturnus vulgaris	5	NS.719.591	26-May-04
Starling	Sturnus vulgaris	3	NS.748.593	24-Jun-04
Swift	Apus apus	1	NS.714.577	24-Jun-04
Swift	Apus apus	2	NS.714.591	24-Jun-04
Treecreeper	Certhia familiaris	1	NS.715.591	08-Jun-04
White Wagtail	Motacilla alba	1	NS.711.581	25-May-04
White Wagtail	Motacilla alba	1	NS.713.586	07-May-04
White Wagtail	Motacilla alba	1	NS.713.591	26-May-04
White Wagtail	Motacilla alba	2	NS.714.586	07-May-04
White Wagtail	Motacilla alba	1	NS.714.586	25-May-04
White Wagtail	Motacilla alba	1	NS.715.592	25-May-04
White Wagtail	Motacilla alba	1	NS.716.582	25-May-04
White Wagtail	Motacilla alba	2	NS.716.589	25-May-04
White Wagtail	Motacilla alba	1	NS.717.580	25-May-04
White Wagtail	Motacilla alba	1	NS.717.589	07-May-04
White Wagtail	Motacilla alba	1	NS.718.579	25-May-04
White Wagtail	Motacilla alba	2	NS.714.585	29-Apr-04
Willow Warbler	Phylloscopus trochilus	1	NS.713.586	26-May-04
Willow Warbler	Phylloscopus trochilus	2	NS.714.589	07-May-04
Willow Warbler	Phylloscopus trochilus	2	NS.714.590	24-Jun-04
Willow Warbler	Phylloscopus trochilus	1	NS.715.577	24-Jun-04
Willow Warbler	Phylloscopus trochilus	1	NS.715.590	24-Jun-04
Willow Warbler	Phylloscopus trochilus	1	NS.715.591	29-Apr-04
Willow Warbler	Phylloscopus trochilus	1	NS.716.578	06-May-04
Willow Warbler	Phylloscopus trochilus	1	NS.717.581	24-Jun-04
Willow Warbler	Phylloscopus trochilus	1	NS.717.588	29-Apr-04
Willow Warbler	Phylloscopus trochilus	1	NS.718.587	26-May-04
Willow Warbler	Phylloscopus trochilus	2	NS.718.588	26-May-04
Willow Warbler	Phylloscopus trochilus	2	NS.718.590	24-Jun-04
Willow Warbler	Phylloscopus trochilus	2	NS.719.588	26-May-04
Winter Wren	Troglodytes troglodytes	1	NS.711.587	07-May-04
Winter Wren	Troglodytes troglodytes	2	NS.712.582	25-May-04
Winter Wren	Troglodytes troglodytes	1	NS.713.580	25-May-04
Winter Wren	Troglodytes troglodytes	1	NS.713.583	25-May-04
Winter Wren	Troglodytes troglodytes	1	NS.713.588	07-May-04
Winter Wren	Troglodytes troglodytes	1	NS.714.590	29-Apr-04
Winter Wren	Troglodytes troglodytes	1	NS.715.578	06-May-04
Winter Wren	Troglodytes troglodytes	3	NS.715.591	08-Jun-04
Winter Wren	Troglodytes troglodytes	3	NS.716.589	07-May-04
Winter Wren	Troglodytes troglodytes	1	NS.716.589	08-Jun-04
Winter Wren	Troglodytes troglodytes	1	NS.716.590	25-May-04
Winter Wren	Troglodytes troglodytes	1	NS.717.581	24-Jun-04



Species	Scientific Name	Count	Grid reference	Date
Winter Wren	Troglodytes troglodytes	2	NS.717.592	08-Jun-04
Winter Wren	Troglodytes troglodytes	2	NS.719.584	24-Jun-04
Wood Pigeon	Columba palumbus	2	NS.710.580	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.710.583	25-May-04
Wood Pigeon	Columba palumbus	1	NS.710.588	07-May-04
Wood Pigeon	Columba palumbus	1	NS.712.579	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.713.582	25-May-04
Wood Pigeon	Columba palumbus	2	NS.714.579	25-May-04
Wood Pigeon	Columba palumbus	1	NS.714.581	25-May-04
Wood Pigeon	Columba palumbus	1	NS.714.589	24-Jun-04
Wood Pigeon	Columba palumbus	3	NS.714.590	29-Apr-04
Wood Pigeon	Columba palumbus	1	NS.714.591	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.715.584	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.715.590	25-May-04
Wood Pigeon	Columba palumbus	1	NS.715.591	29-Apr-04
Wood Pigeon	Columba palumbus	1	NS.715.591	25-May-04
Wood Pigeon	Columba palumbus	1	NS.716.578	25-May-04
Wood Pigeon	Columba palumbus	1	NS.716.589	07-May-04
Wood Pigeon	Columba palumbus	1	NS.716.590	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.716.591	29-Apr-04
Wood Pigeon	Columba palumbus	1	NS.716.591	25-May-04
Wood Pigeon	Columba palumbus	2	NS.716.591	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.717.581	07-May-04
Wood Pigeon	Columba palumbus	1	NS.717.581	24-Jun-04
Wood Pigeon	Columba palumbus	1	NS.717.584	07-May-04
Wood Pigeon	Columba palumbus	1	NS.717.589	08-Jun-04
Wood Pigeon	Columba palumbus	1	NS.718.587	26-May-04
Wood Pigeon	Columba palumbus	1	NS.718.587	24-Jun-04
Wood Pigeon	Columba palumbus	2	NS.719.578	25-May-04
Wood Pigeon	Columba palumbus	2	NS.719.578	25-May-04
Wood Pigeon	Columba palumbus	3	NS.719.589	24-Jun-04
Wood Pigeon	Columba palumbus	2	NS.719.590	08-Jun-04
Wood Pigeon	Columba palumbus	1	NS.720.589	24-Jun-04
Wood Pigeon	Columba palumbus	2	NS.720.591	08-Jun-04