



Nature
Friendly
Farming
Network

“Making data work for farmers to help them improve biodiversity on their farms”

Martin Lines

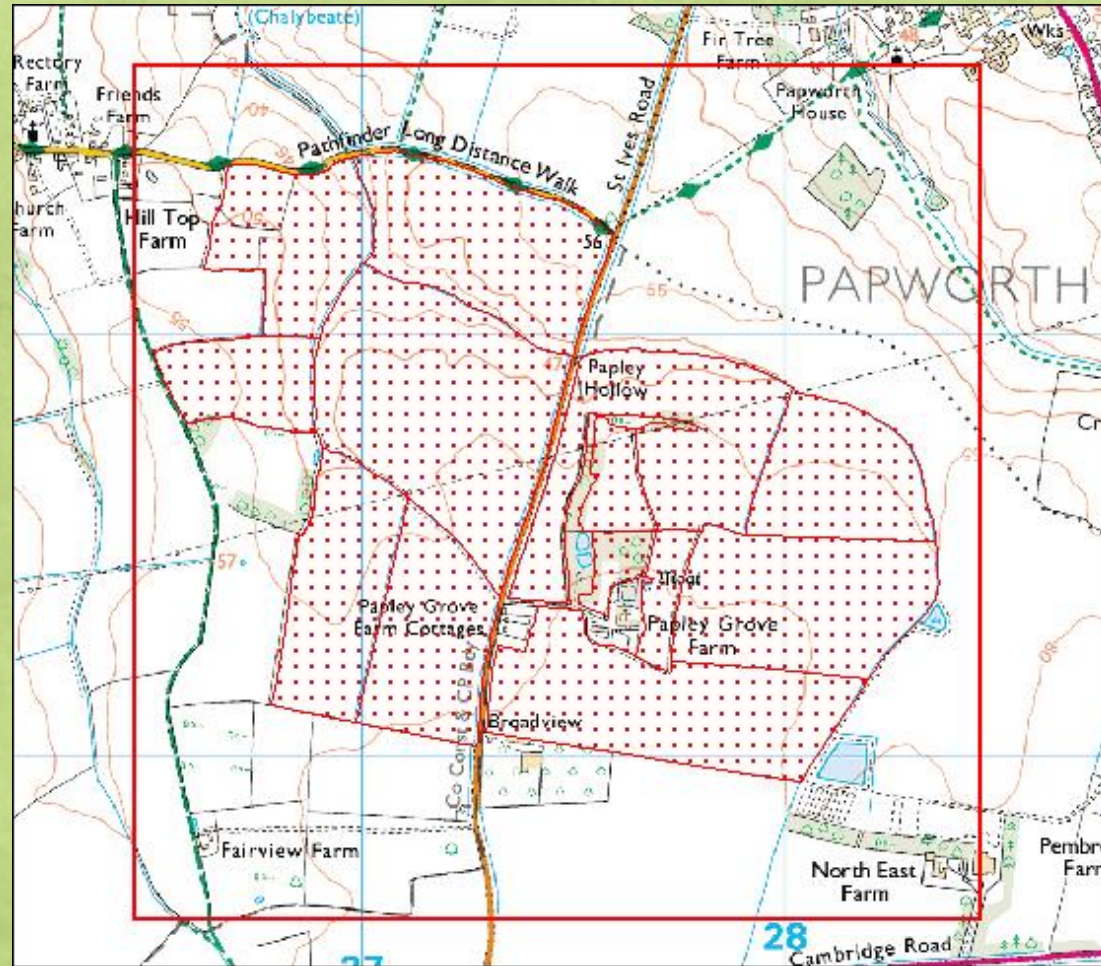
Chair: Nature Friendly Farming Network

22nd November 2018

About Me



My family farm is in Cambridgeshire



Fields are scanned and measured with GPS so we can target inputs to output.





**Nature
Friendly
Farming
Network**

I have had birds counts by the RSPB over the past 12 years



VOLUNTEER & FARMER ALLIANCE

2005

Survey Species List: Papley Grove Farm

SPECIES	STATUS
Blackbird	
Blackcap	
Blue tit	
Canada goose	
Carion crow	
Chaffinch	
Chiffchaff	
Cormorant	Amber
Corn bunting	Red
Dunnock	Amber
Garden warbler	
Goldfinch	
Great spotted woodpecker	
Great tit	
Greenfinch	
Green woodpecker	Amber
Grey partridge	Red
Hobby	
House sparrow	Red
Jackdaw	
Kestrel	Amber
Lesser black-backed gull	Amber

SPECIES	STATUS
Linnet	Red
Maggie	
Mallard	
Mistle thrush	Amber
Moorhen	
Pheasant	
Pied wagtail	
Red-legged partridge	
Reed bunting	Red
Robin	
Rook	
Skylark	Red
Song thrush	Red
Starling	Red
Stock dove	Amber
Swallow	Amber
Whitethroat	
Willow warbler	Amber
Wood pigeon	
Wren	
Yellowhammer	Red

Total Species: 43

Status red: Birds of high conservation concern. Species that have undergone ≥50% decline in UK breeding population or range over the last 25 years, a historical decline from 1800 – 1995, or are species of global conservation concern.
Status amber: Birds of medium conservation concern. Species that have undergone a 25 – 49% decline in breeding population or range in the UK during the last 25 years or have unfavourable conservation status in Europe.
All other species hold **green status** and are of lower conservation concern.
The Population Status of Birds in the UK – Birds of conservation concern: 2002–2007.

EERO1616



VOLUNTEER & FARMER ALLIANCE

2007

Survey Species List: Papley Grove Farm

SPECIES	STATUS
Blackbird	
Blackcap	
Blue tit	
Buzzard	
Carion crow	
Chaffinch	
Chiffchaff	
Cormorant	Amber
Dunnock	Amber
Garden warbler	
Great tit	
Green woodpecker	Amber
Greenfinch	
Grey heron	
Jackdaw	
Kestrel	Amber
Lapwing	Amber
Linnet	Red
Long-tailed tit	
Maggie	
Meadow pipit	Amber
Moorhen	
Pheasant	
Pied wagtail	
Red-legged partridge	
Robin	
Skylark	Red
Song thrush	Red
Sparrowhawk	
Starling	Red
Swallow	Amber
Whitethroat	
Willow warbler	Amber
Wood pigeon	
Wren	
Yellowhammer	Red

Total Species: 36

Status red: Birds of high conservation concern. Species that have undergone ≥50% decline in UK breeding population or range over the last 25 years, a historical decline from 1800 – 1995, or are species of global conservation concern.
Status amber: Birds of medium conservation concern. Species that have undergone a 25 – 49% decline in breeding population or range in the UK during the last 25 years or have unfavourable conservation status in Europe.
All other species hold **green status** and are of lower conservation concern.
The Population Status of Birds in the UK – Birds of conservation concern: 2002–2007.

EERO1616b



**giving
nature
a home**

**RSPB Higher Level Stewardship Monitoring 2014
Species list for Papley Grove Farm, Eltisley**

Species total = 34 overall (27 on 1st visit, 33 on 2nd visit)

The table below indicates whether a species was seen on the 1st and/or 2nd survey visits and, for the HLS target species only (highlighted in **bold**), the number of individuals seen.

Species	Survey 1 25 th April	Survey 2 16 th June
Blackbird	x	x
Blackcap	x	x
Blue Tit	x	x
Bullfinch		x
Buzzard	x	x
Carion Crow	x	x
Chaffinch	x	x
Chiffchaff	x	x
Dunnock	x	x
Goldfinch	x	x
Great Tit	x	x
Greenfinch	x	x
Green Woodpecker	x	x
Grey Partridge		2
Kestrel		x
Lesser Whitethroat	x	x
Linnet	x	x
Long-tailed Tit	x	
Maggie		x
Pheasant	x	x
Pied Wagtail	x	x
Red-legged Partridge	x	x
Reed Bunting	x	x
Robin	x	x
Skylark	x	x
Song Thrush	x	x
Starling		x
Swallow	x	x
Swift		x
Whitethroat	x	x
Wood Pigeon	x	x
Wren		x
Yellowhammer	x	x
Yellow Wagtail	3	1

Other non-bird taxa seen: brown hare, muntjac deer

UK Headquarters
The Lodge
Sandy
Bedfordshire
SG19 2DL

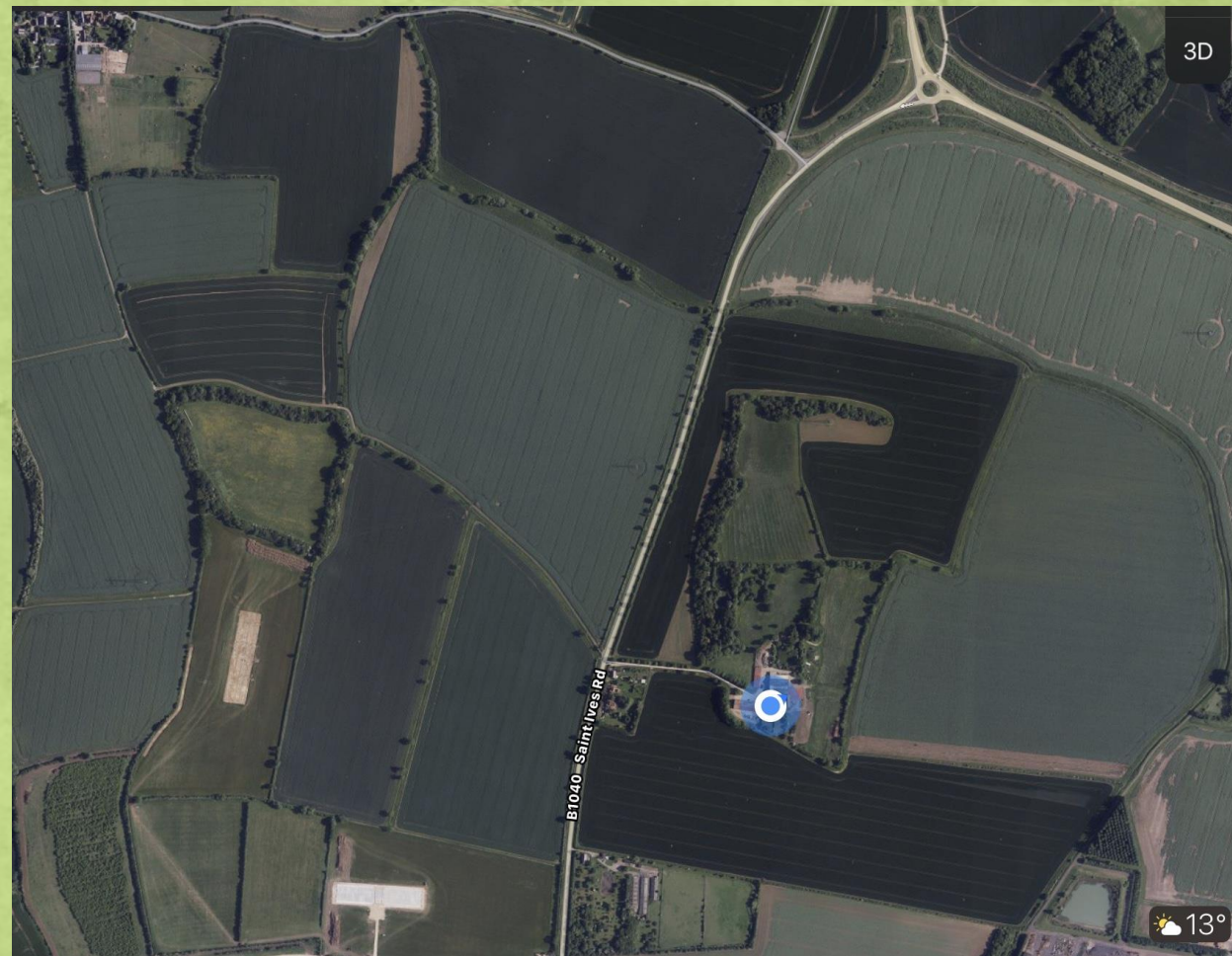
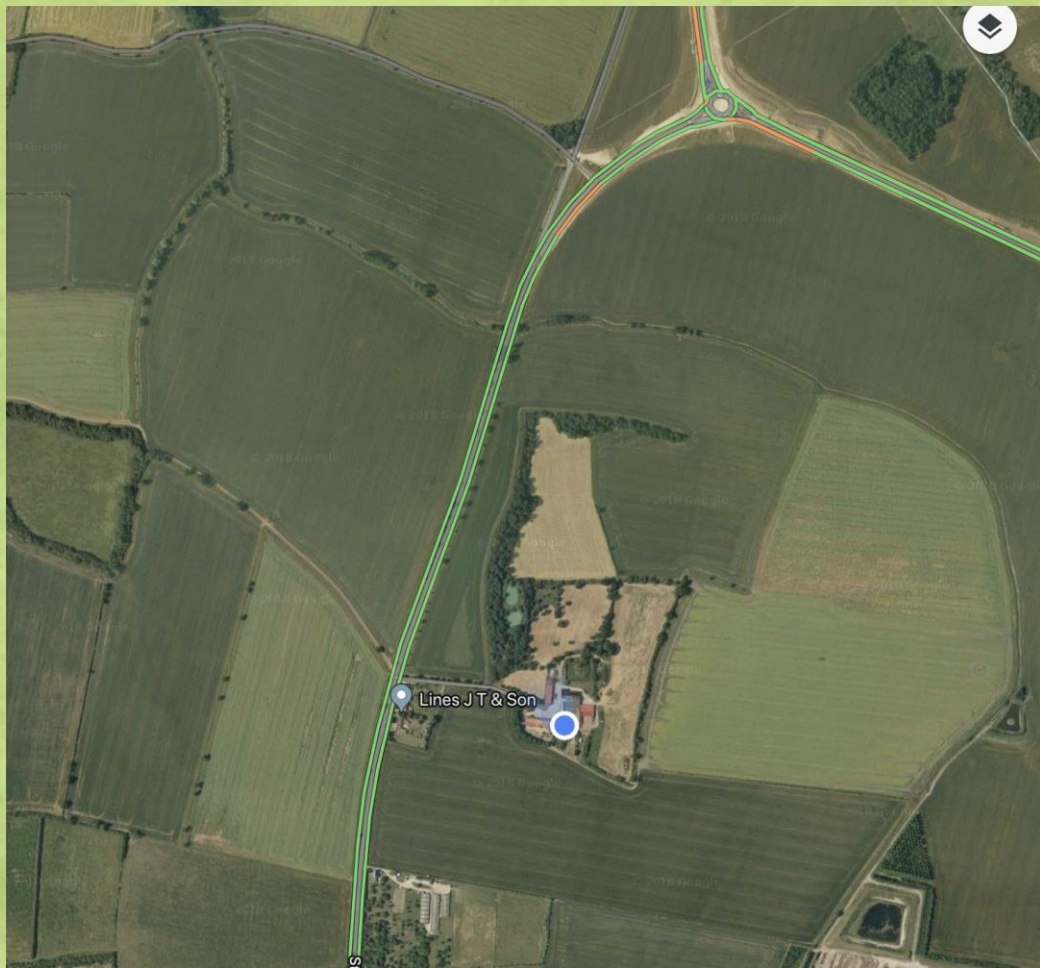
Tel 01767 680951
Fax 01767 692365
DX 47604 SANDY
rspb.org.uk

Patron: Her Majesty the Queen. Chairman of Council: Professor Steve Diamond, FREM. Chief Executive: Dr Mike Clarke
The Royal Society for the Protection of Birds (RSPB) is a registered charity. England and Wales no. 207076, Scotland no. SC232654

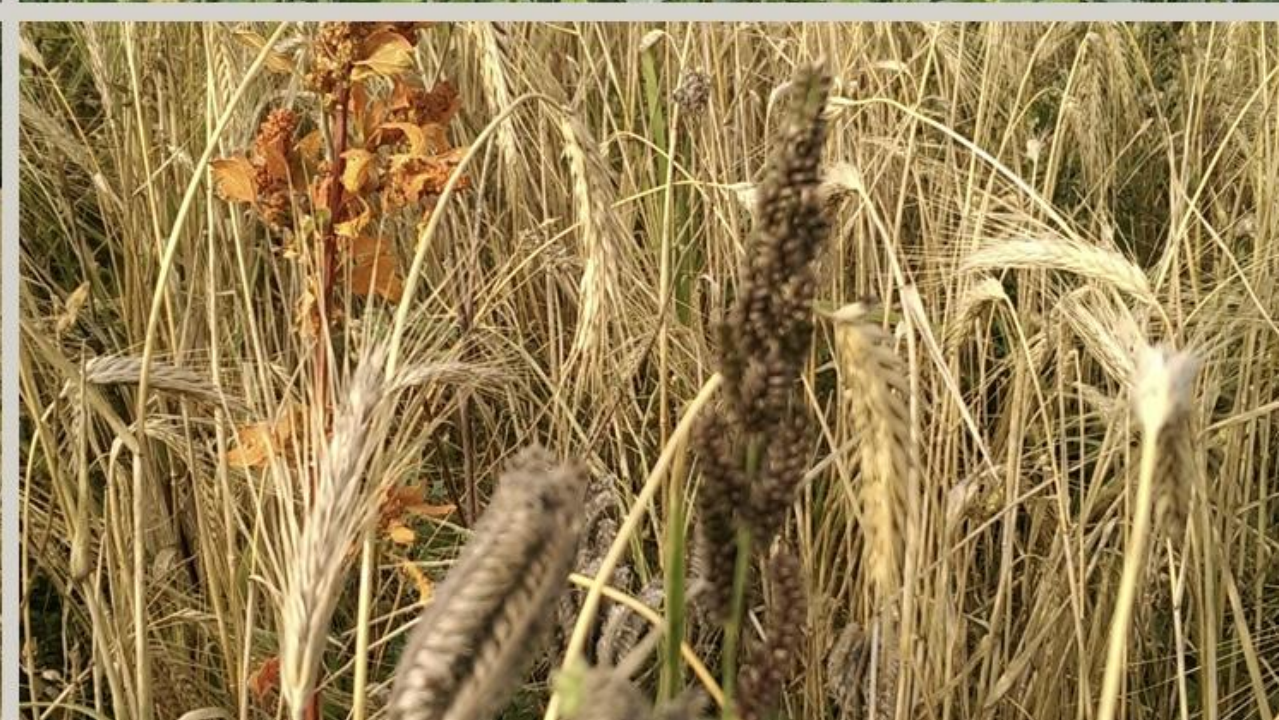


The RSPB is part of BirdLife International,
a partnership of conservation organisations
working to give nature a home around the world.

Left is before ELS & HLS stewardship scheme
Right is with small areas taken out of crop production













Records summary, Papley Grove Farm Bioblitz, Cambridgeshire 21-22/07/18

Total records: 541

Total species: 329

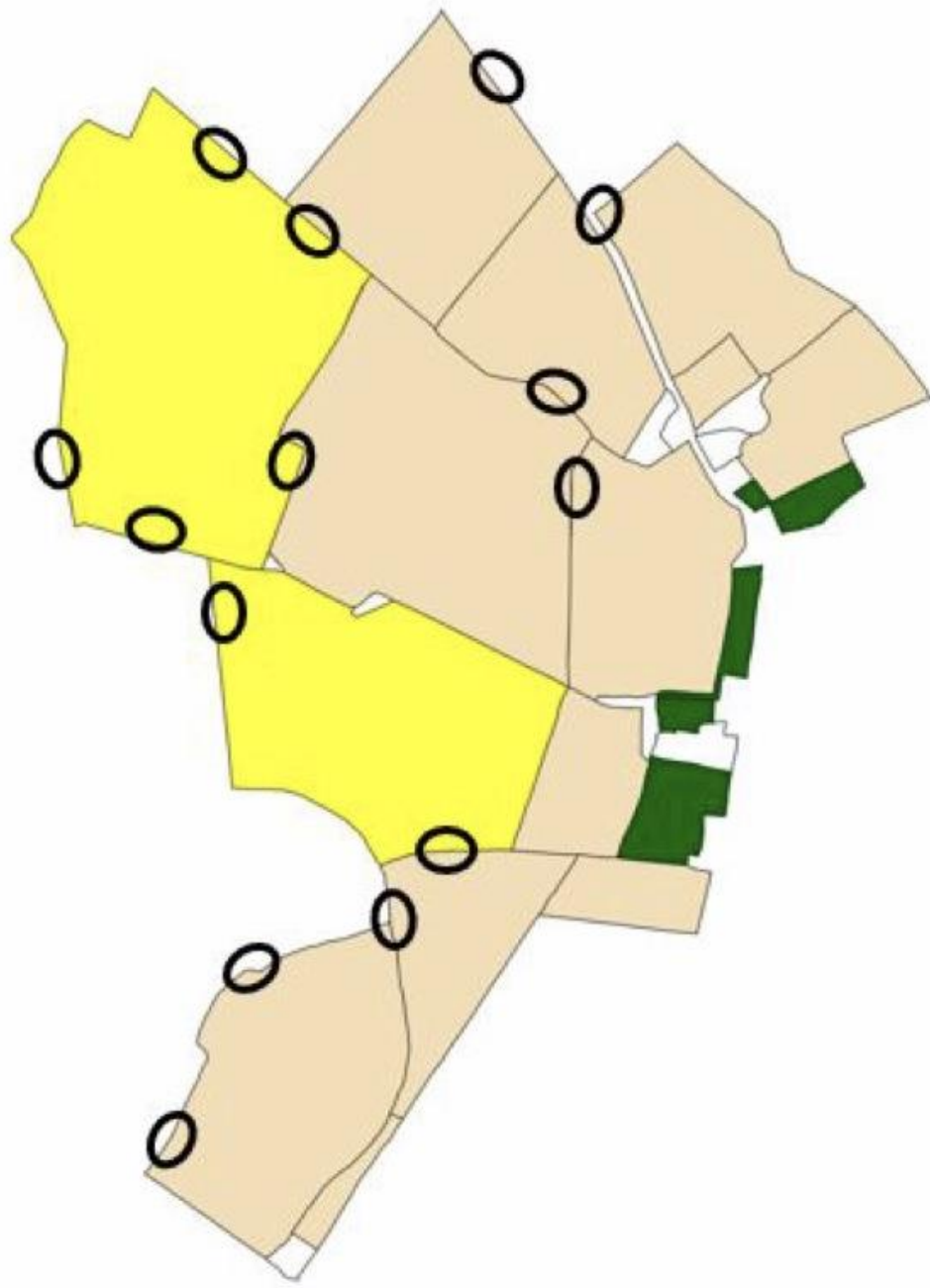
Taxon Group	Number of species
annelid	1
bird	32
crustacean	3
flowering plant	133
horsetail	1
insect - alderfly (Megaloptera)	1
insect - beetle (Coleoptera)	13
insect - butterfly	14
insect - dragonfly (Odonata)	8
insect - hymenopteran	8
insect - mayfly (Ephemeroptera)	2
insect - moth	75
insect - orthopteran	2
insect - true bug (Hemiptera)	21
insect - true fly (Diptera)	4
liverwort	1
mollusc	1
spider (Araneae)	1
terrestrial mammal	8

- The Farm hosted Chris Packham in July
- First time a part of the Farm has been looked at like this
- CPERC had no records of the site before
- Of particular note was *Aquarius Paludum* (pond skater). They only had 1 other record for this species in Cambridgeshire and the NBN Atlas has only 241 records

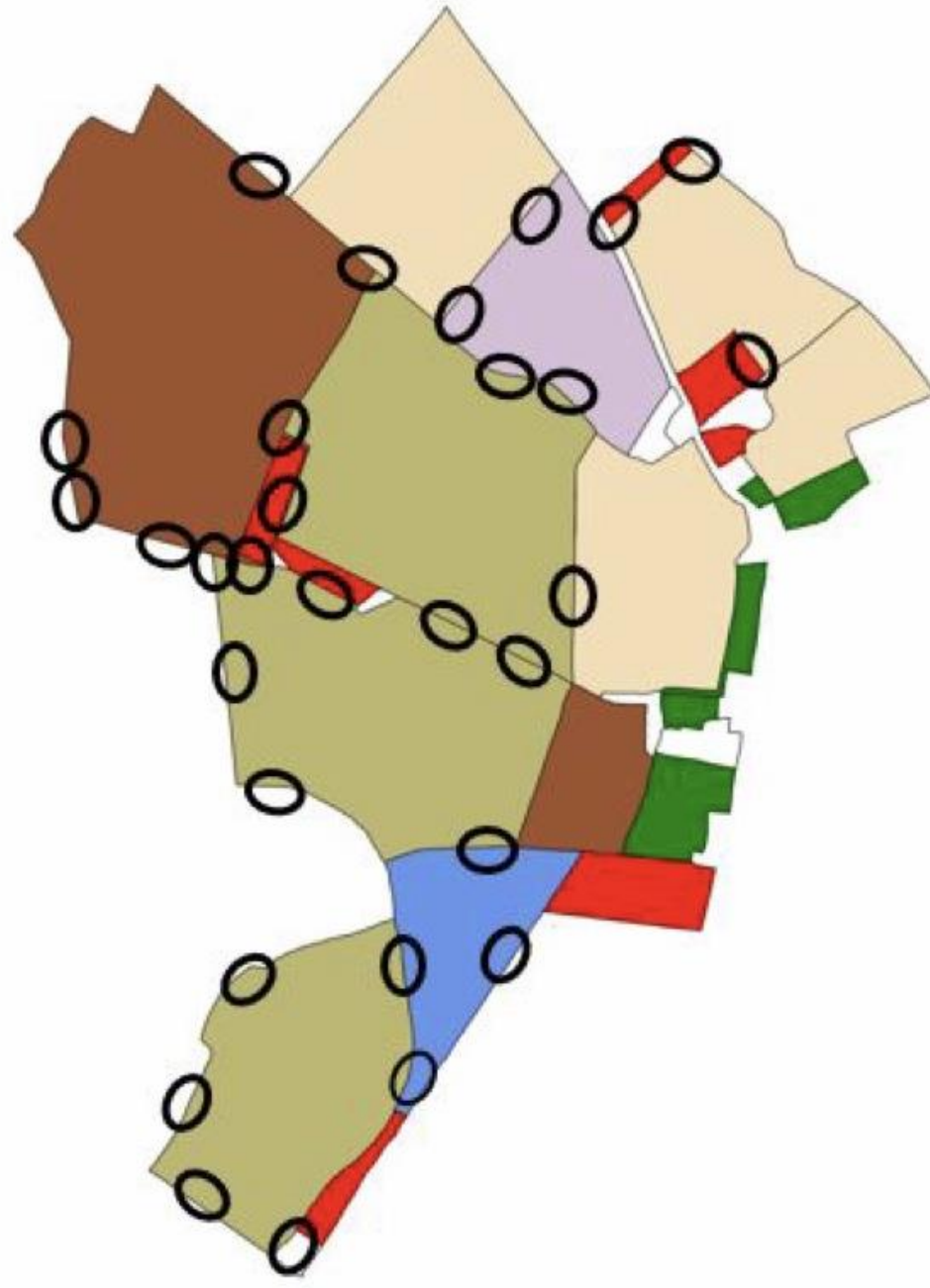
When we know what we have we can manage it to improve our environment and wildlife



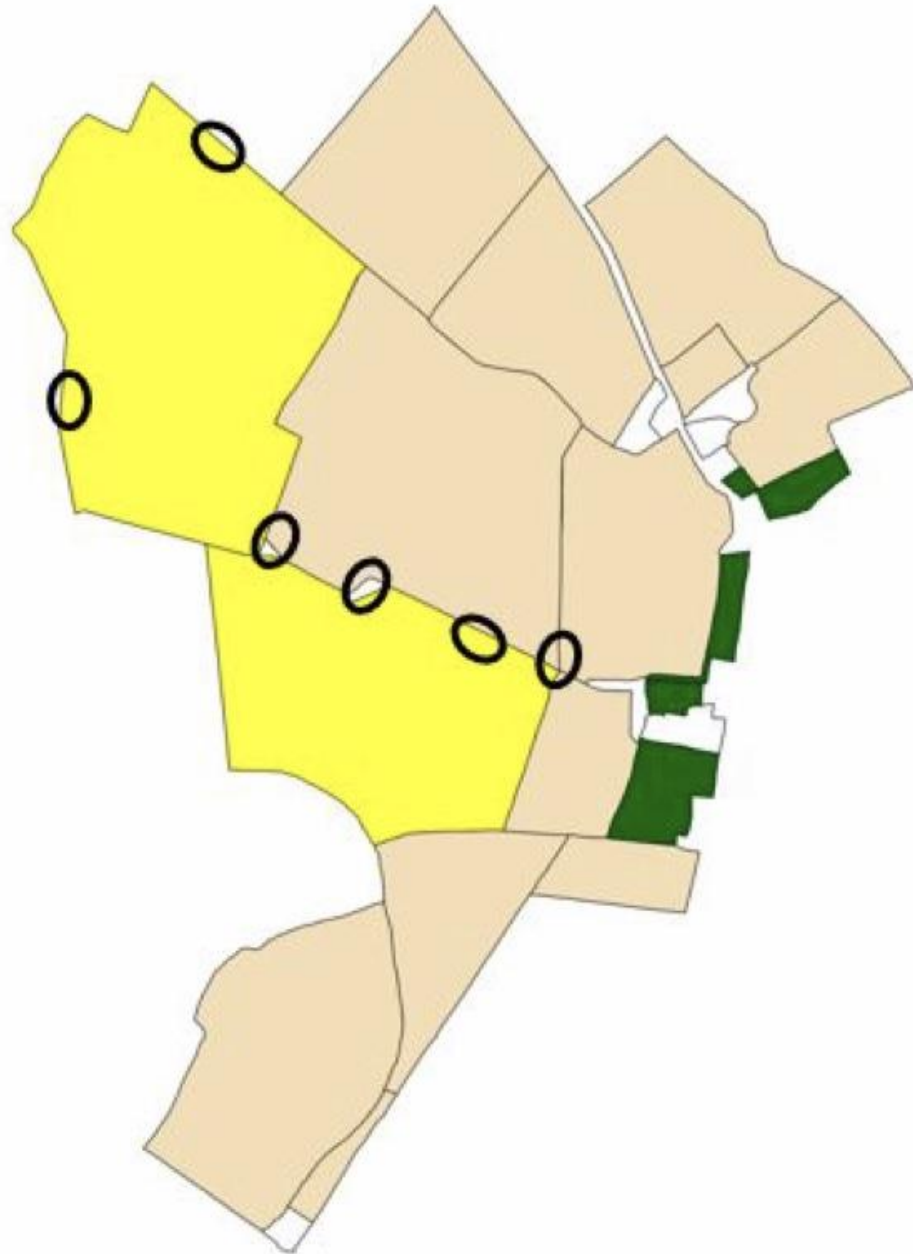
Yellowhammers 2000



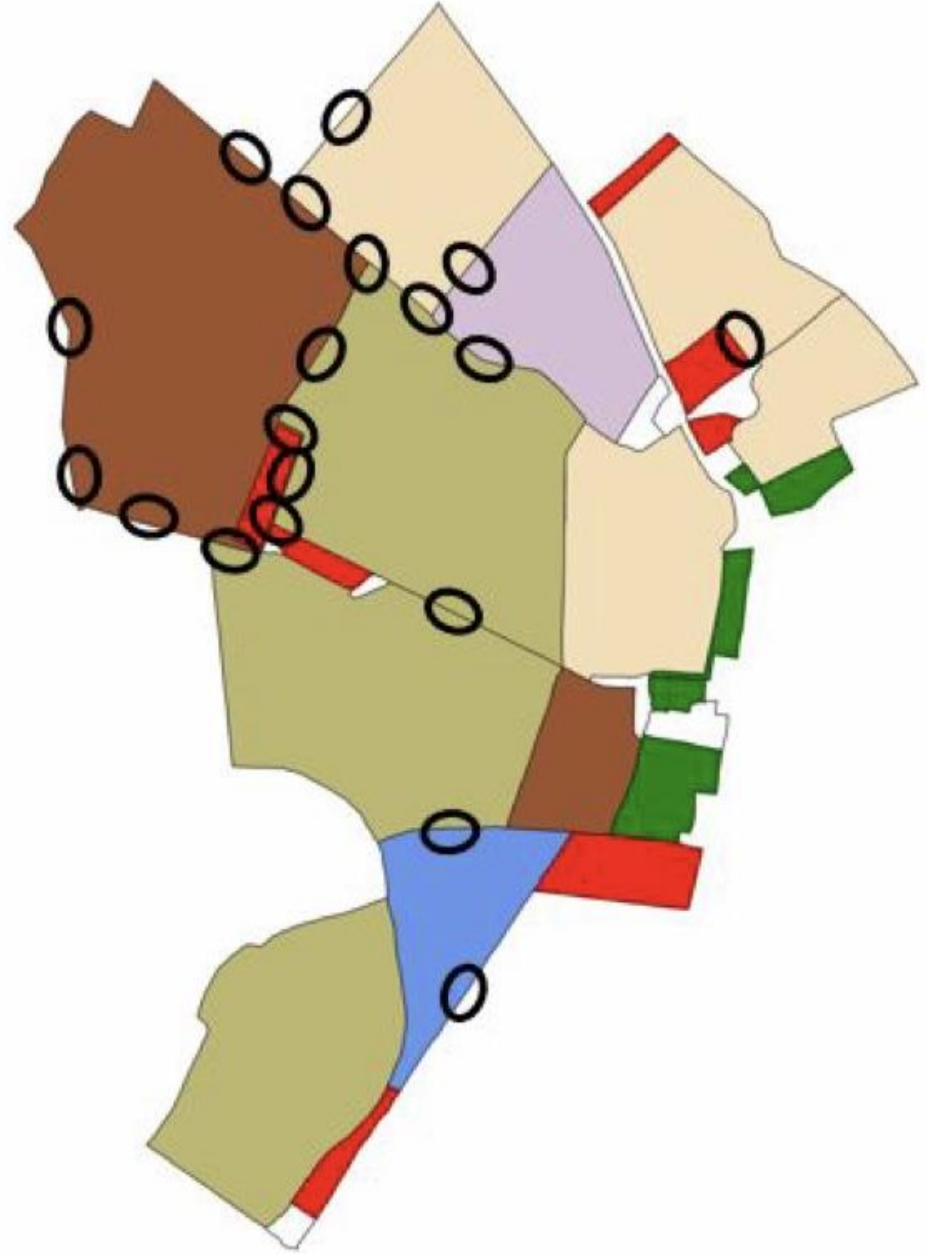
Yellowhammers 2016



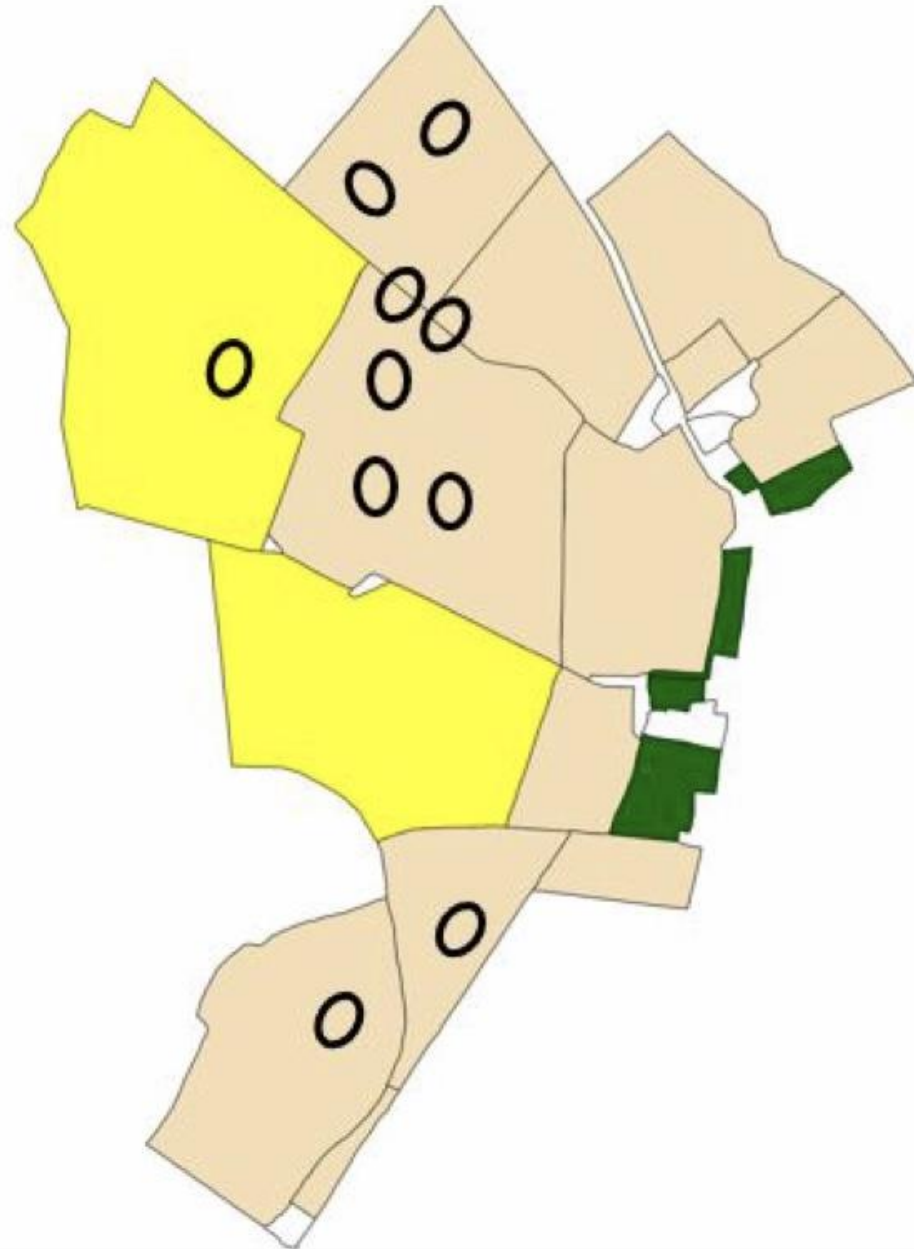
Linnets 2000



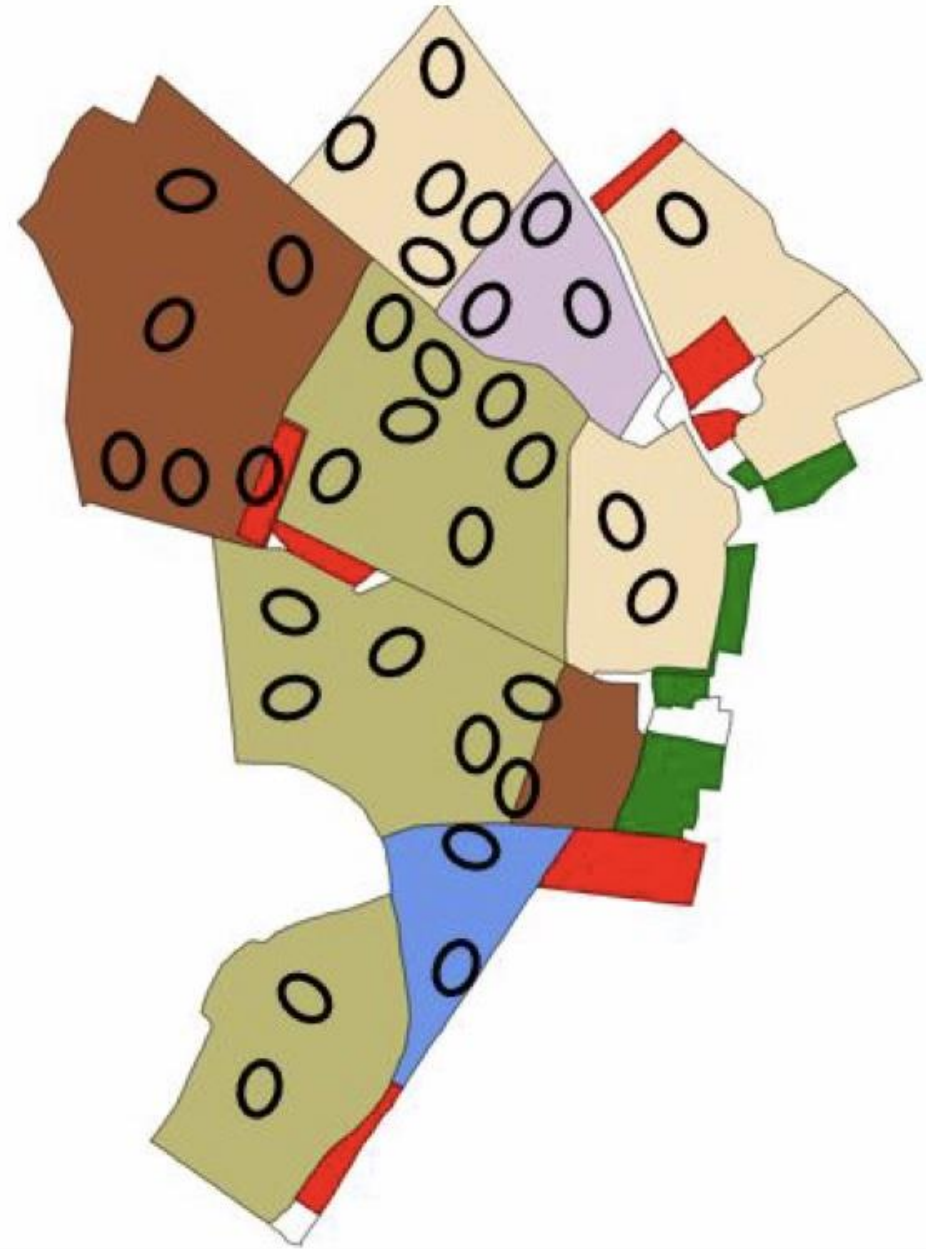
Linnetts 2016



Skylarks 2000



Skylarks 2016



Change is coming

" We cannot miss this significant opportunity to transform British agriculture in order to help farms evolve and thrive, whilst restoring and protecting our natural heritage. **"**

Martin Lines
Chairman, NFFN





Nature
Friendly
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Network

Why a Nature Friendly Farming Network?

- Independent market research with a wide range of farmers indicated that there would be a good level of support for this kind of approach
- It could be highly effective in securing positive changes in policy, including by how farming is supported by the public
- If we do nothing we risk failing to secure political traction for positive policy change and a shift in farming 'norms' towards a more sustainable outlook
- Together we can achieve more and learn from each other

Manifesto

The landscape in the UK is shaped by farming.

Yet not all change in recent times has been desirable, soils have been depleted, water courses degraded and nature has struggled to cope with the pace of change. We have seen declines in over 600 farmland species over the last 50 years.

However, many farms are bucking this trend, soils are being restored and nature is thriving and if more follow this lead we can reverse these declines. With over 70% of the UK being farmland, we need to act now to deliver for wildlife at a landscape scale.



**Nature
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Manifesto

- Our network will engender a strong community which will provide a strong voice for sustainable nature friendly farming
- We believe agriculture needs to be profitable and sustainable, and farmers should receive adequate payments for undertaking environmental and nature friendly activities



Image courtesy of T. Melling

Manifesto

- We are committed to demonstrate to the wider public what farmers can do for wildlife, whilst still producing plentiful quality produce
- We will seek to build markets for nature friendly farming products
- We will encourage transparency in food supply chains to allow people to make informed sustainable food choices



Manifesto

- We will demonstrate to decision makers the value of sustainable nature friendly farming to ensure there is support within government and the supply chain
- We are committed to securing farming policies that support wildlife, sustainable agriculture and fairness for farmers
- We will work to end damaging policies and practices and secure the multiple benefits of sustainable nature friendly farming



Image courtesy of Game & Wildlife

Manifesto

- We will build a knowledge base, share research and offer advice, support, and training
- We will explore innovative and improved ways of achieving agronomic, environmental and social benefits, whilst retaining valued aspects of tradition





**Nature
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- Defra Agriculture and Environment Bills
- New Environmental Land Management plans
- Farmers working in clusters delivering a local plan
- Farmers needing help and support identifying and recording the wildlife
- Engaging farmers in the environment and wildlife improvements they want to see to start the change of mindset
- Help with management plans for improving different wildlife



Be Part of the Solution

Act now and join this farming movement
for positive policy change in support of
nature and sustainable farming.



**Nature
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Farmers working together, delivering a
better countryside

www.naturefriendlyfarmingnetwork.org.uk

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