



Warwickshire, Coventry and Solihull

David Lowe

Team Leader: Ecology, Historic Environment & Landscape

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David Lowe (Team Leader: Ecology, Archaeology & Landscape)



Context

PROJECT BOARD

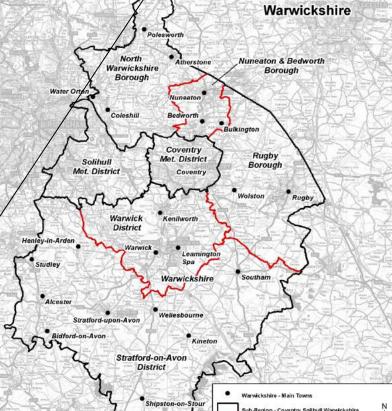




Coventry City Council







Main Settlements in









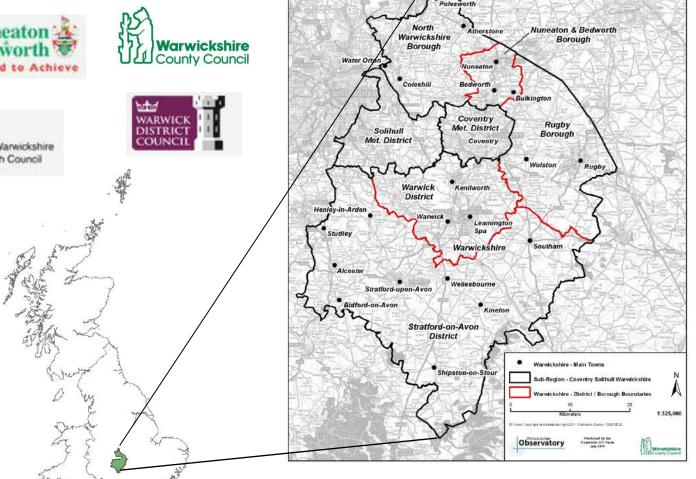




Environment Bank





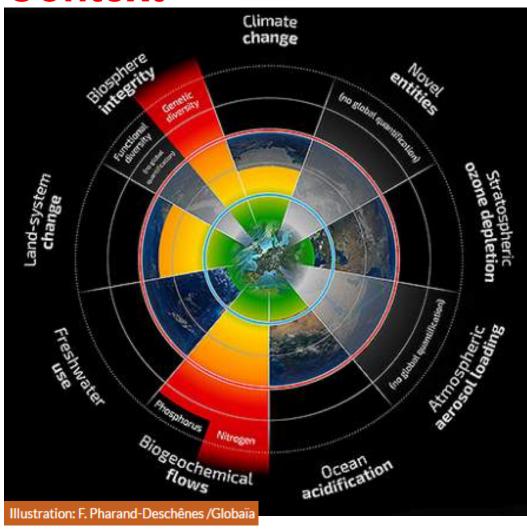




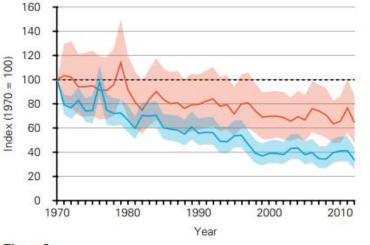
David Lowe (Team Leader: Ecology, Archaeology & Landscape)



Context



http://www.stockholmresilience.org/research/planetary-boundaries/planetary-boundaries/about-the-research/the-nine-planetary-boundaries.html



State of Nature 2016

Figure 3

The UK Priority Species Indicator¹ shows the Abundance Index (blue) for 213 priority species, and the Occupancy Index (red) for 111 priority species (measured as the proportion of occupied sites).

The shaded areas show the 95% confidence intervals.

National Red Lists

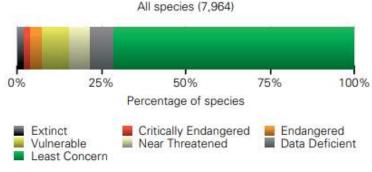


Figure 4

The percentage of species in each risk category, based on the likelihood of extinction from Great Britain. Species considered to be threatened with extinction from Great Britain are those classified as Critically Endangered, Endangered or Vulnerable in the latest International Union for Conservation of Nature (IUCN) Red List assessments.



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Context

Warwickshire Biological Record Centre

 'A Local Records Centre (LRC) is a not-for-profit service run in partnership for the public benefit, which collects, collates, manages and disseminates information of known quality relating to the wildlife, wildlife sites and habitats for a defined geographical area.'*

Reco

- The WBRC holds distribution data on some 15,000 individual species, including protected species, totalling over 3 million records. Most as within over the 4000 'Ecosites'
- Surveying is on-going and is carried out mainly on a voluntary basis by skilled amateur naturalists throughout the county
- The WBRC also receives records from individuals after spotting wildlife during walks or in gardens.

Habitat
Biodiversity
Audit
&
Wildlife Sites
Project

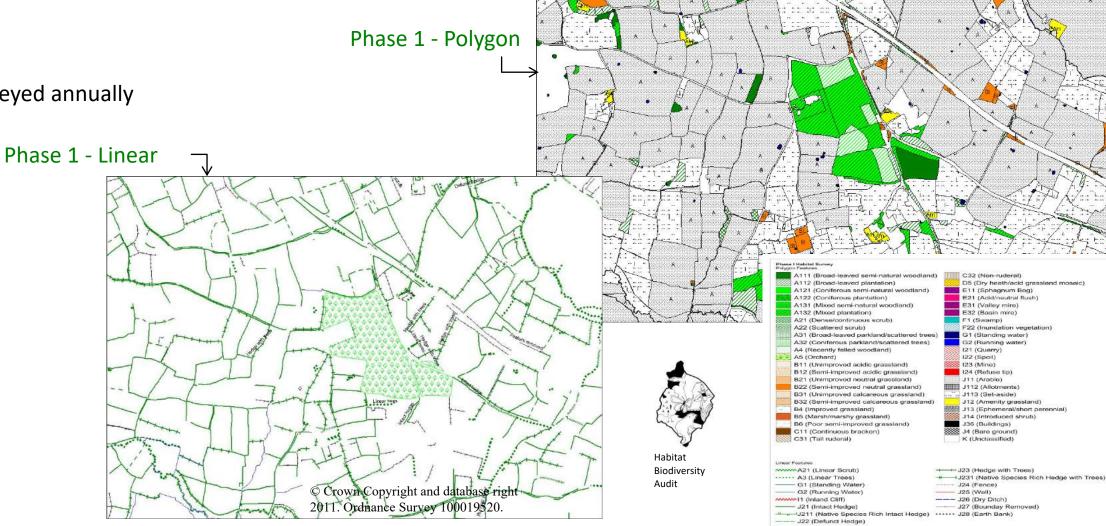
^{*} Source: "NBN Trust Position Statement on Local Records Centres, April 2004"

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Context Phase 1 Habitat Data

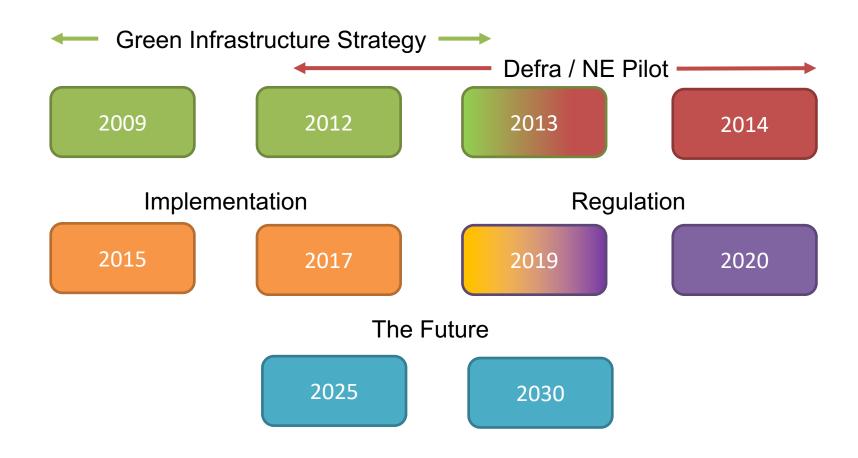
20% resurveyed annually



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Chronology





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GREEN INFRASTRUCTURE 2009 - 2013

The purpose of this Strategy is to provide evidence for the preparation of plans, policies and strategies at a sub-

regional level

The Application of the principles:

Site

Local

Parish

Authority Area

Sub-regional Area

Adopted in December 2013



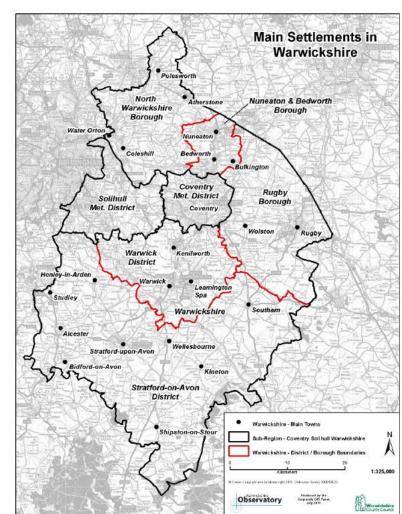
















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GREEN INFRASTRUCTURE 2009 - 2013

Biodiversity – Part B

Biodiversity Core Areas

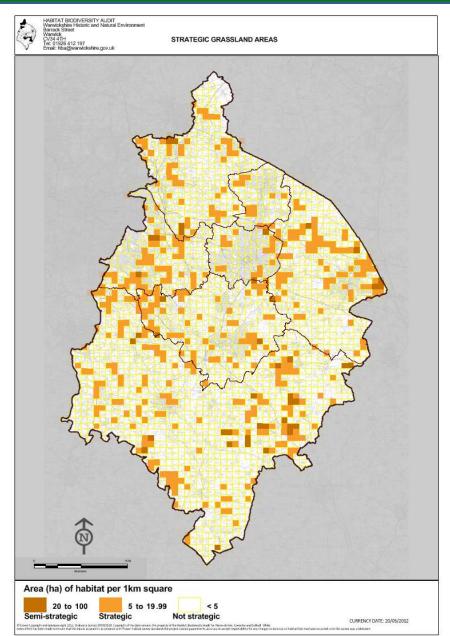
Woodland; Grassland; and Wetlands habitats have been mapped to identify Biodiversity Core Areas

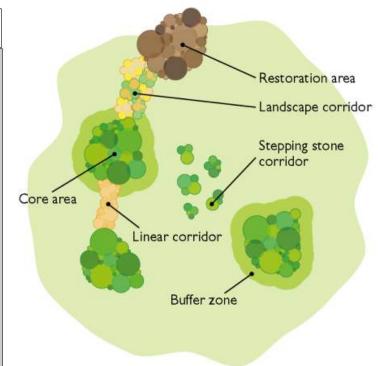
Woodland & Grassland – 1km² Wetland – Species specific (GCNs)

Core Area = 20%+ in 1km².

Biodiversity Offsetting Strategy:

Strategic Area = 5% to 19% in 1km² Semi-Strategic Area = >20% in 1km² Non Strategic Area = <5% in 1km²





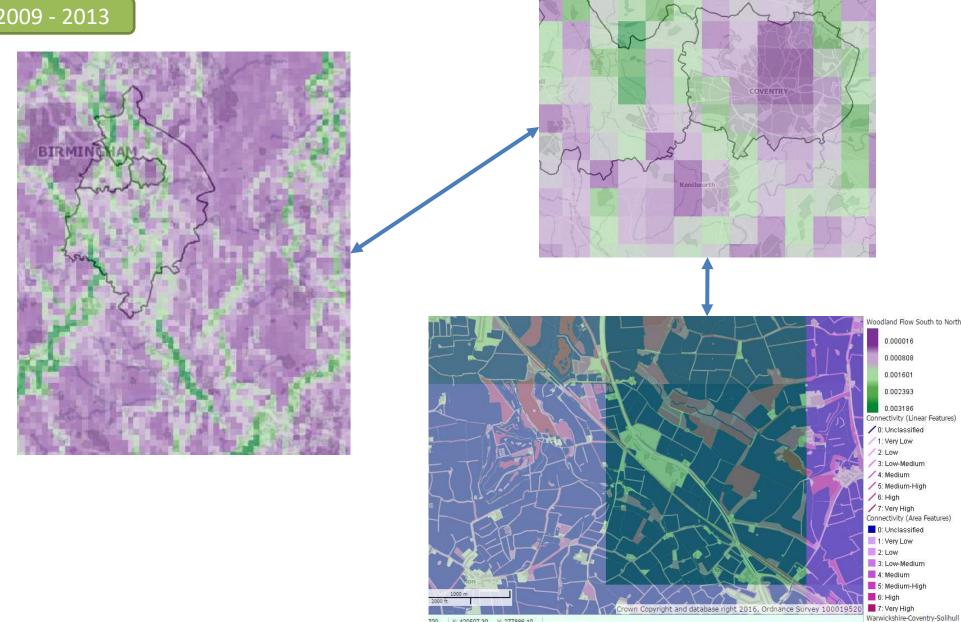
<u>Lawtonian Principles –</u>
<u>Making Space for Nature</u>

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GREEN INFRASTRUCTURE 2009 - 2013

Every decision has a site, local, regional and national implication



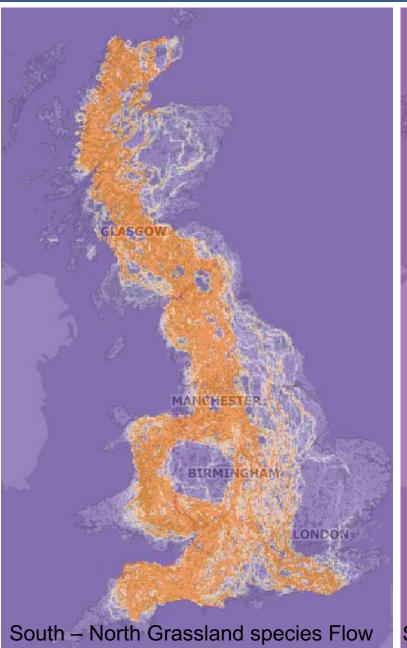


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GREEN INFRASTRUCTURE 2009 - 2013

CONDATIS







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GREEN INFRASTRUCTURE 2009 - 2013

North Warwickshire Borough Council (2012)

NW12 Nature Conservation

Sites of Special Scientific Interest (SSSI's) will be subject to a high degree of protection, in view of their national importance. Development adversely affecting a SSSI will only be permitted where the benefits of the development at this sites clearly outweigh the likely impacts on the site and any broader impacts on the national network of SSSI's.

Development that damages habitats and features of regional or local importance for nature conservation will only be permitted where there are no alternatives to the development taking place in that location. Where appropriate, developments will be required to help secure the beneficial management of such features.

Development should help ensure that there is no net loss of biodiversity and geological interest, and where appropriate contributions will be sought to ensure the enhancement of biodiversity, geological and other natural features in line with local, regional and national priorities for nature conservation.

NW13 Green Infrastructure

Throughout the Borough a comprehensive network of high quality, multifunctional, green spaces, corridors and other environmental features will be maintained, enhanced and created for flora, fauna and humans, which link into the sub-regional green infrastructure networks.

Development proposals must demonstrate how they contribute to maintaining and enhancing a comprehensive and strategically planned green infrastructure network, where appropriate. With reference to the sub-regional Strategy for Green Infrastructure and the local Green Infrastructure resource development should:

- Maintain and enhance existing green infrastructure assets;
- Optimise opportunities to create links between existing green infrastructure within the district and to surrounding sub-regional networks;
- Help deliver new green infrastructure assets where specific need has been identified.

Where new green infrastructure can not be provided on site, or where an existing asset is lost or adversely affected, contributions will be sought towards wider green infrastructure projects and improvements within the district or, where appropriate, in the sub-region.

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Biodiversity Offsetting / Biodiversity Net Gain

All **minor** and **major** applications will need to calculate Biodiversity Impacts, be this positive (gain), negative (loss) or neutral.

The Value of the Future Habitat

The Value of the Existing Habitat

The Value of the Siodiversity Gain or Loss



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The Biodiversity Metric 2.0

auditing and accounting for biodiversity

Calculation Tool

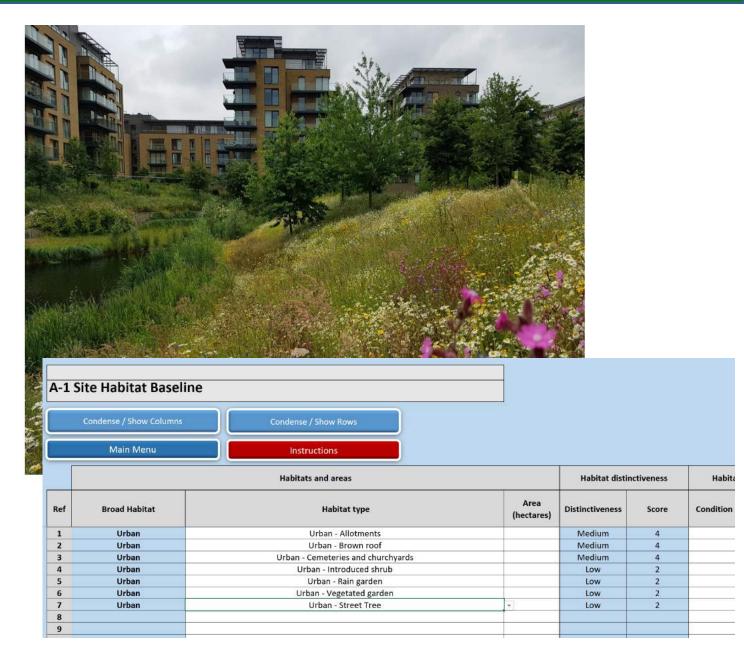


Beta Version - July 2019

Beta Test

ISBN 978-1-78354-539-1

Stephen Panks (Senior Specialist Biodiversity Net Gain - Natural England)
Sam Arthur (Associate Ecologist & Biodiversity Net Gain Specialist - FPCR)





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DEFRA / NE PILOT 2012 - 2014

Biodiversity Impact Assessment Summary Sheet....Vers 19.1



Provides an indicative cost of the Financial Contribution that Warwickshire County Council is likely to ask for.

- Viability Assessment?
- Layout options
- Discussions between Landscape Architect / Ecologists and clients as well as Local Authority.

Note the above is an hypothetical example taken from the Warwickshire County Council draft GCN integrated Defra Net Gain metric. It therefore shows habitat and newt offset cost calculations.

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Implementation 2012+

First S106 Contributions came in 2015/2016 and up to 2018/2019 secured a total of £2,252,787.81

Environment Bank Ltd	£243,381.94	estimate £2,252,787.81
Contribution due	£253,706.00	
Committed	£672,220.14	
To be allocated	£1,083,479.73	

Have enhanced / created

- 6 Grassland sites
- 1 Ancient Woodland site
- 4 Pond sites (ready for GCN strategy)
- 30+ sites in the pipeline

circa. 40 ha



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Implementation 2012+

Section 39 Wildlife and Countryside Act Agreement

CHERRY ORCHARD BRICKPIT **ECOLOGICAL MANAGEMENT PLAN** Helen Pearce BSc (Hons) GradCIEEM February 2016 Communities

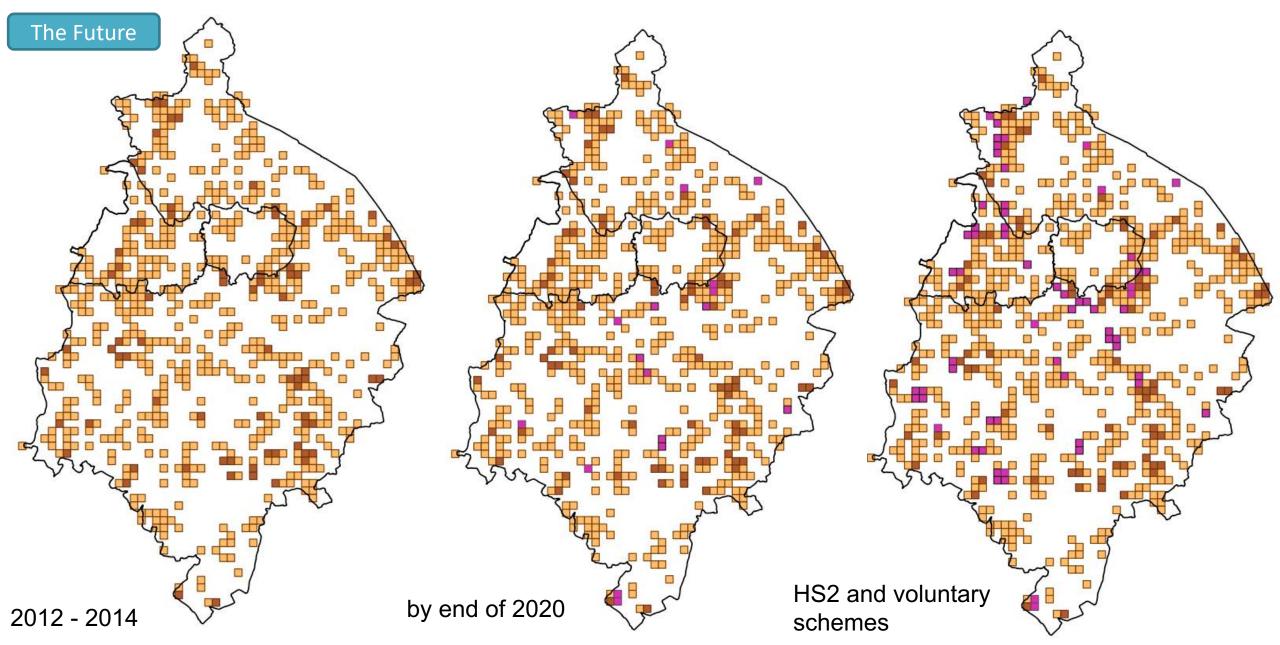
> Warwickshire County Council PO Box 43, Warwick CV34 4SX Tel: 01926 412088

(Name of landowner) and Warwickshire County Council Management Agreement pursuant to Section 39 of the Wildlife and Countryside Act In relation to land at [address/description of land] 30 year agreements



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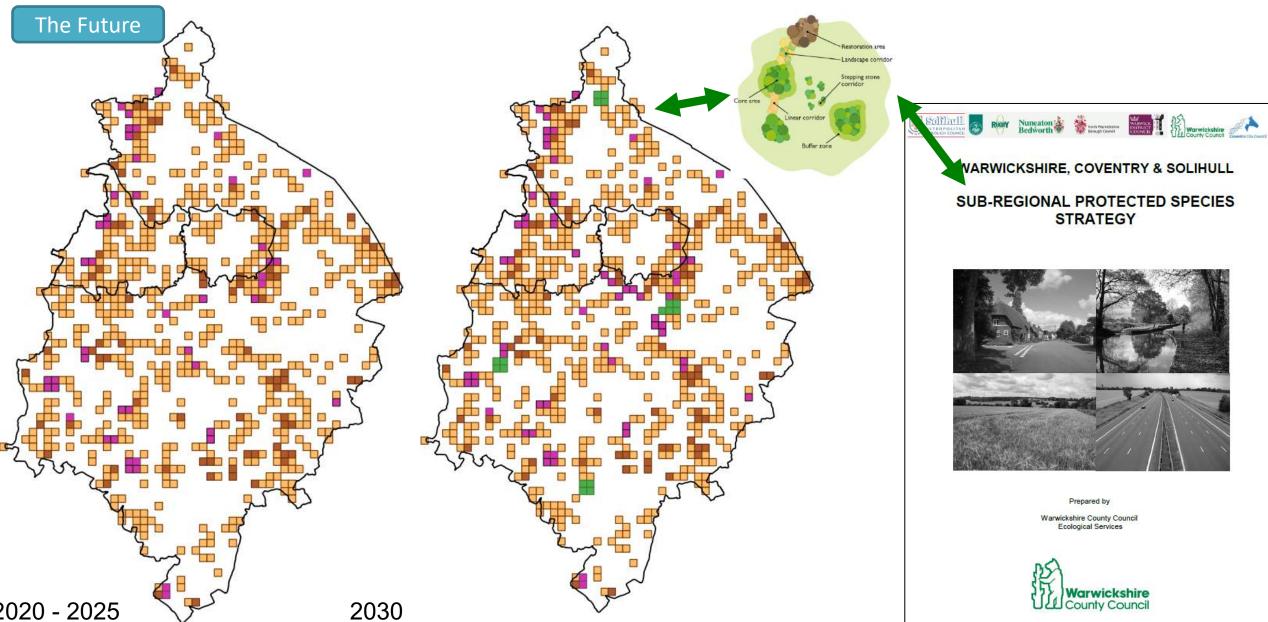






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Species Integration

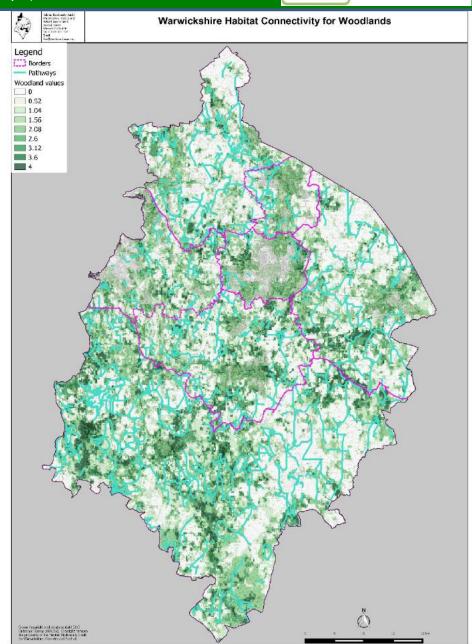
Protected Species Strategy

Vision

A diverse and well-managed Warwickshire, Coventry and Solihull that is able to support healthy and sustainable populations for all Protected and Locally Important species. This will be the result of a well-connected and biodiversity resilient landscape, supporting economic growth, social health and climate change adaptation.

Executive Summary (Draft)

Biodiversity conservation means preserving the species throughout its natural range. This ensures the species is represented in the different environments and the variety of circumstances in which it naturally functions.





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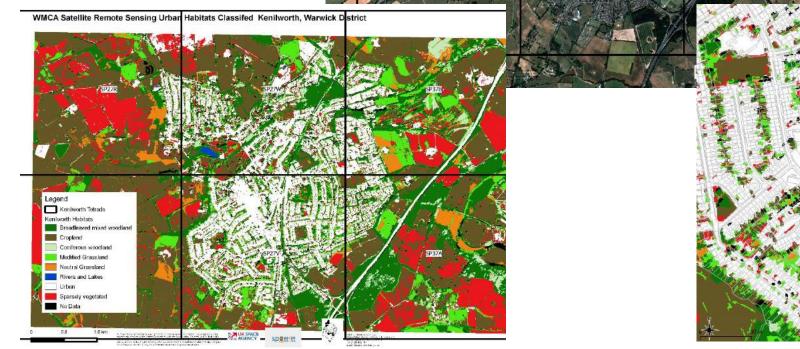
Cities....

Kenilworth

Satellite imagery translated to habitattypes (UKHab) to map connectivity in urban areas







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ALL YOU NEED TO KNOW TO DELIVER

BIODIVERSITY NET GAIN

3 Day Course to cover all a Local Authority requires to deliver Biodiversity Net Gain.

LOCATION: Marle Hall Education Centre, Llandudno junction, Wales

Provisional Cost: £260 all costs included - food, bed, pool table

INTERESTED?

Please register an interest

Doodle Poll

COURSE CONTENT:

- Defra 2.0 metric including UK Hab and recent updates
- Local Plan Policy wording
- SPD formation
- Condition and Obligation wordings
- Financial Contributions (tariffs)
- Burdens on Planning Authorities / Partners
- Business Plan for 100% cost recovery and some?
- Delivering Offsets as a Broker
- Delivering Offsets as a Regulator
 - + legal agreement
 - + national register (if known by then)
- Delivering Offsets other ways!

Anything else you think you /we should know