



Safeguarding hedgehogs through planning and development

Ali North – Ipswich Hedgehog Officer



Western European Hedgehog *Erinaceus europaeus*

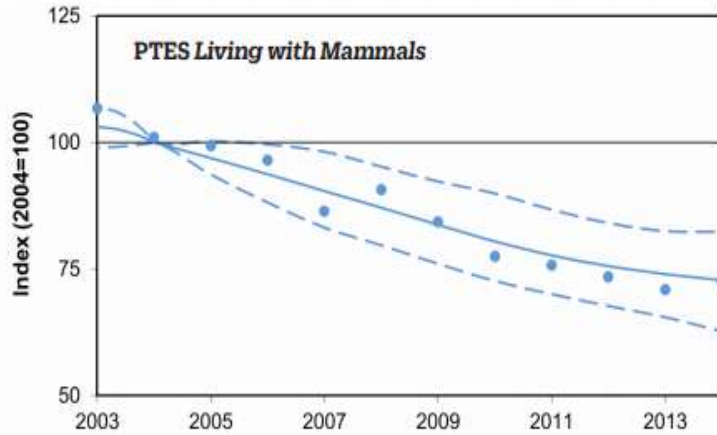


Kevin Grey

- Ancient species
- Key, Umbrella, Indicator, Flagship
- Limited legal protection but are a priority species



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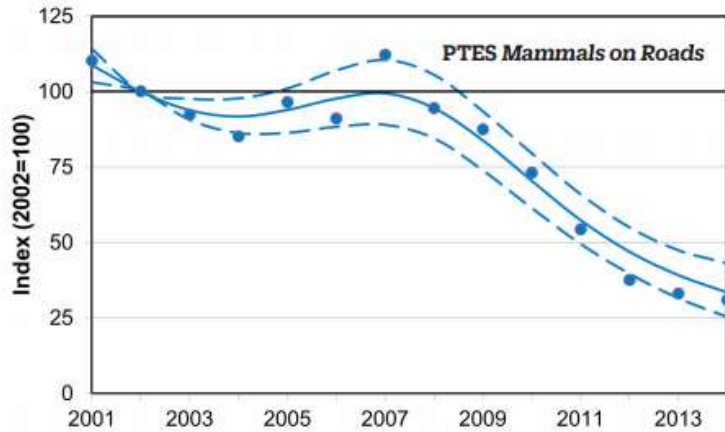


Concerning declines

Urban populations have declined by up to a third between 2000-2014

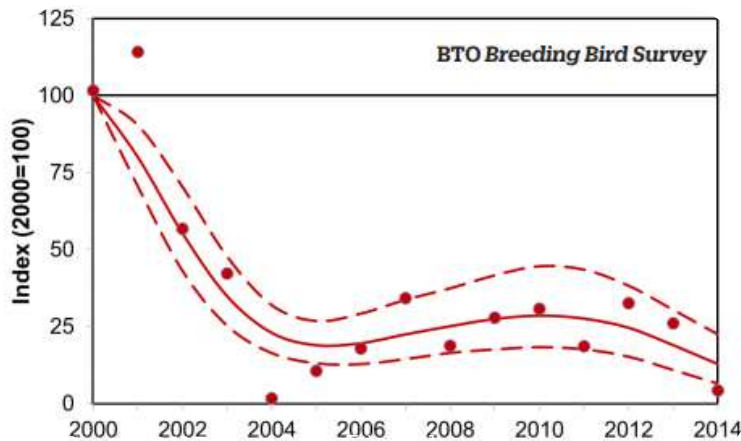


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Concerning declines

Rural populations have declined by at least half between 2000 - 2014



PTES & BHPS (2015) The State of Britain's Hedgehogs 2015





Widespread issues

Loss of habitat and fragmentation

Pesticides

Road traffic

Suburban

Smaller gardens

Tidy gardening

Impermeable fences

Strimming

Entanglement

Steep ponds

Rural

Large fields, fewer features

Increase in badgers

Climate change?

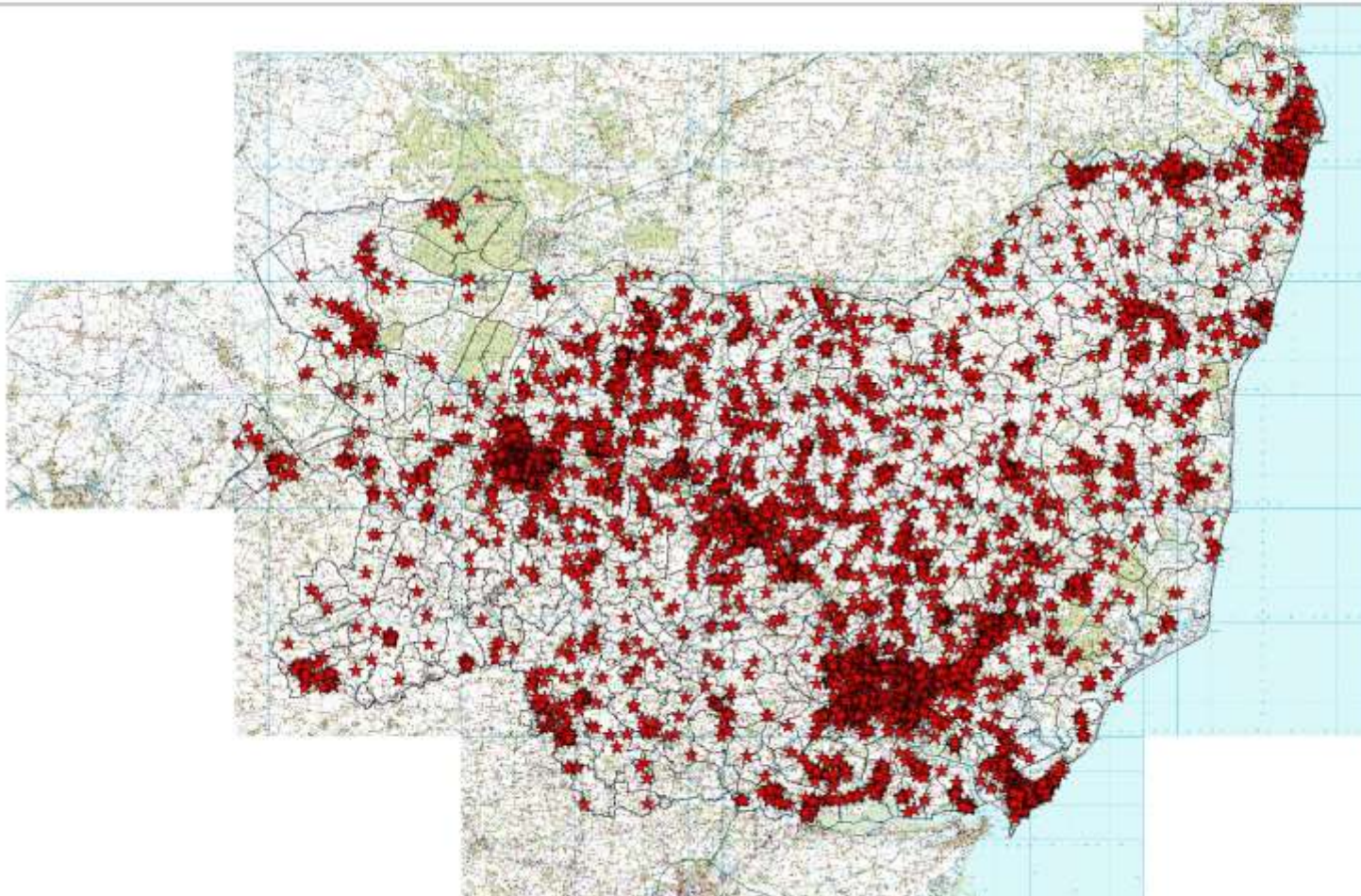
Disease?

Suffolk hedgehogs

2014

Scale 1:536278

Suffolk Wildlife Trust
Brooke House
The Green
Ashbocking, IP6 9JY





Ali North

- 1) Nesting opportunities
- 2) Feeding opportunities
- 3) Connected network



Paul Sawyer



Ann Havard

1) Nesting opportunities

- Daytime nests
- Breeding nests
- Hibernation nests



Simone Bullion



Simone Bullion

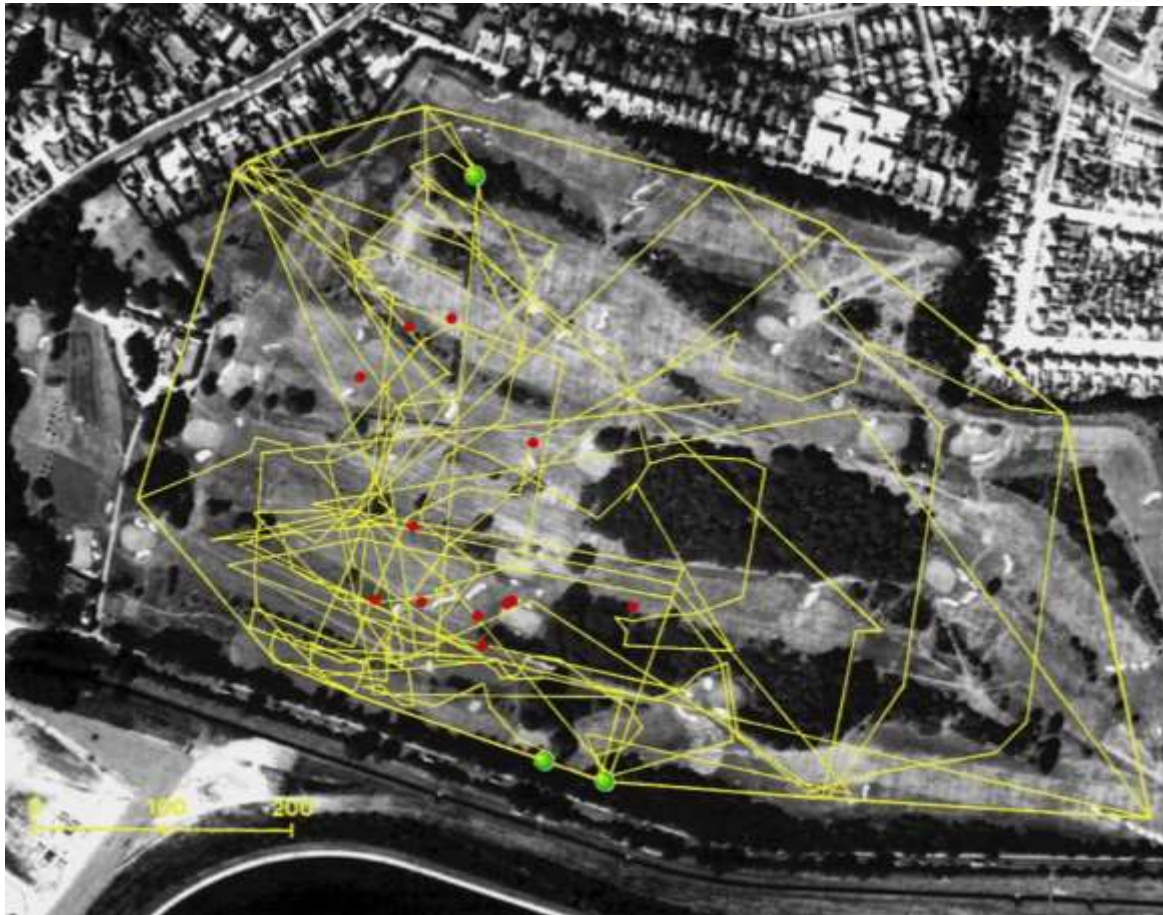


Ali North

2) Feeding opportunities



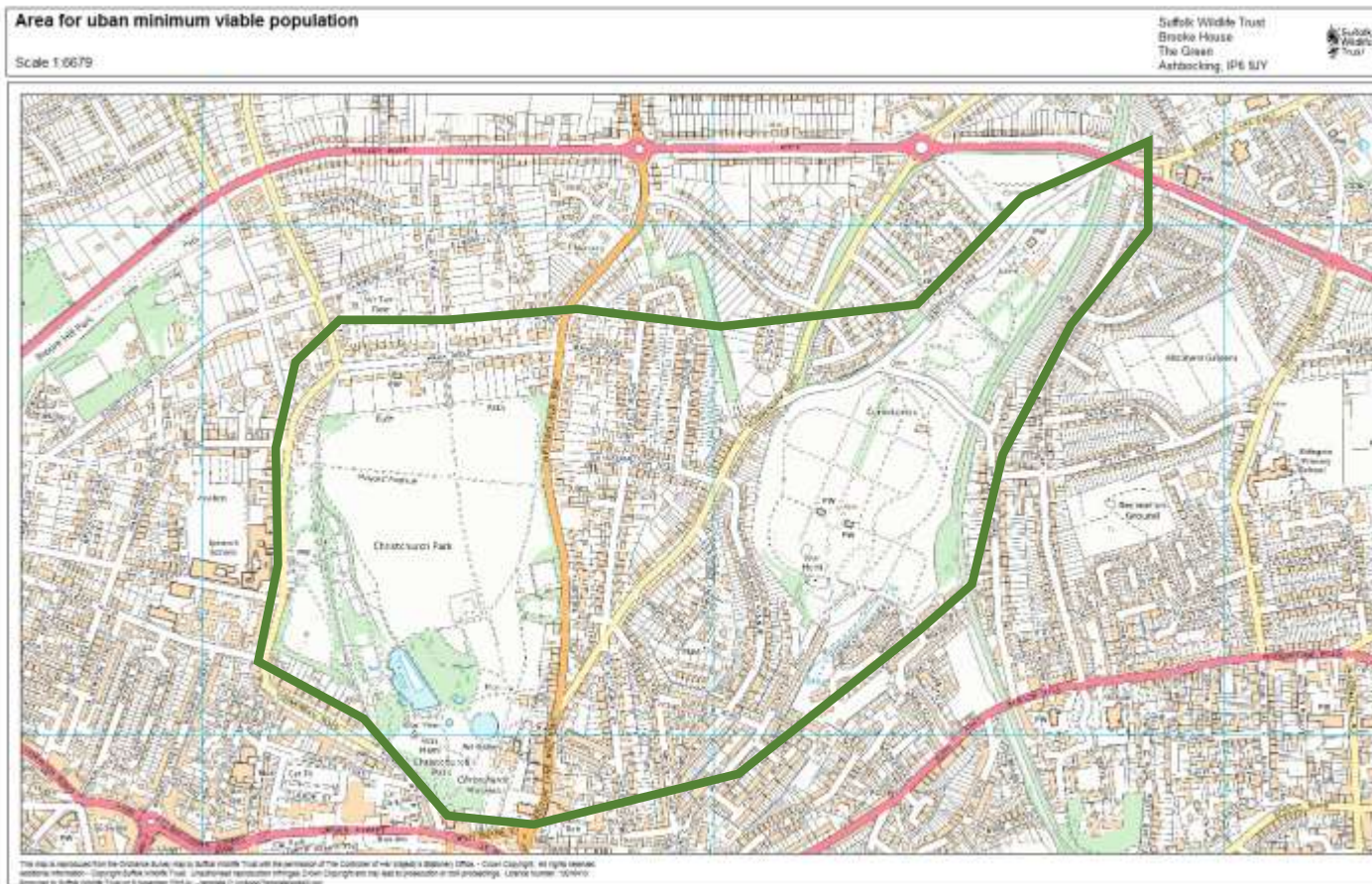
3) Connected Network



Male average
1.8km, female
average **1.1km**

(Reeve 1982)

3) Connected Network



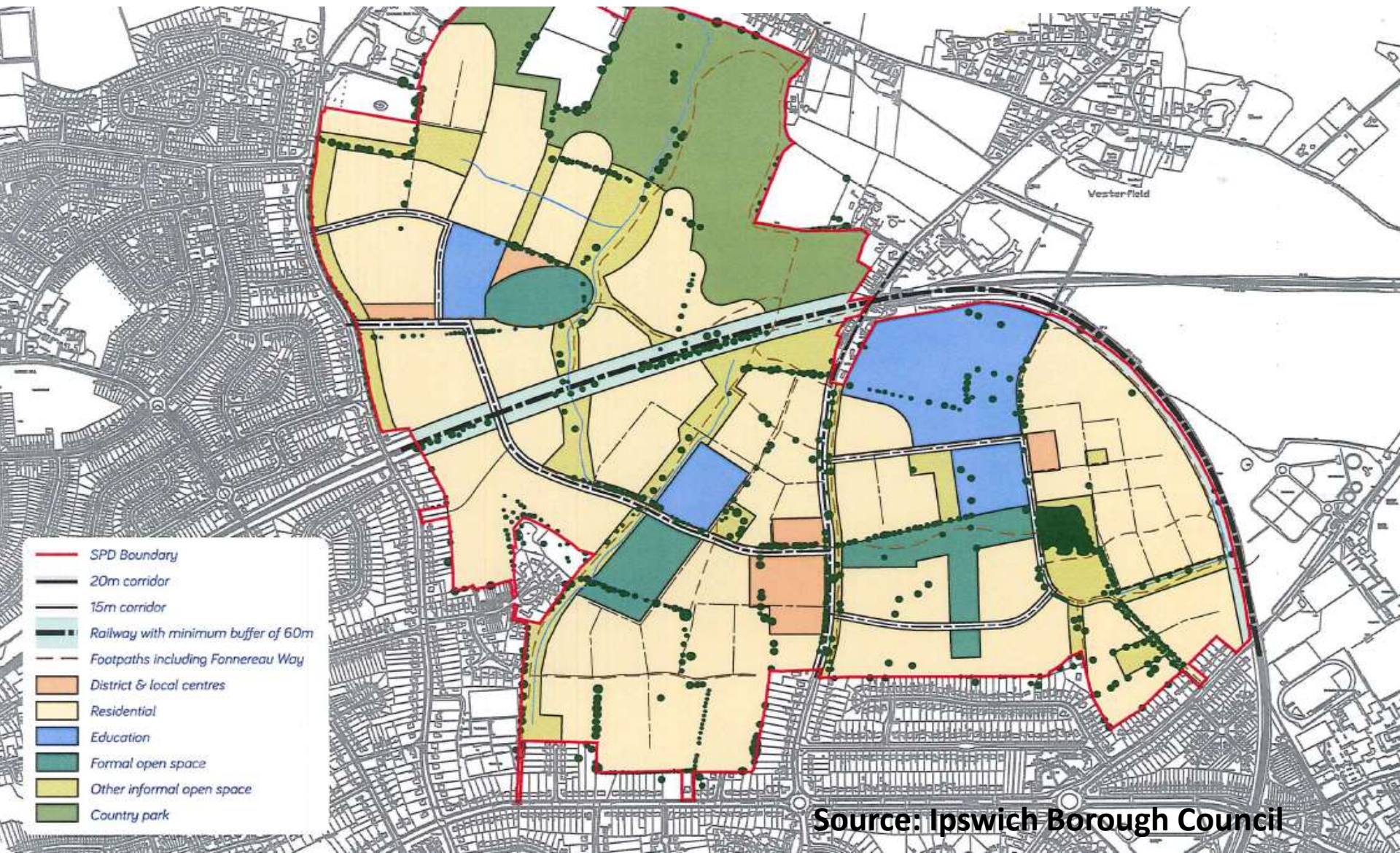
Minimum
viable
population:
32
individuals
in $\sim 1\text{km}^2$ in
urban areas



Simone Bullion

Mitigating the impacts of development

- Impact of construction
- Method & timing of clearance
- Impact of habitat change
- Habitat retention
- Development design





Jarrett Fencing

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Fencing Accessories

Pro

Hedgehog

This unique for wildlife garden. It is of our fence hedgehogs




Ann Havard

HEDGEHOG STREET



CITY OF WILDLIFE

Quercus

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g help take our outdoor will terms fencing panels to enable hedgehogs to be able to pass through garden near routes. Customers can expect to have a hedgehog hole put into one or two of their fence panels for their good protection into and hedgehogs

Jacksons

Need help? 0800 408 2234

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Value Discount

Discounts are available on orders over £1000 or more on most products

Hedgehog Fencing - Help the Hedgehogs

Hedgehog Fence Gravel Board



Welcome to our dedicated hedgehog page

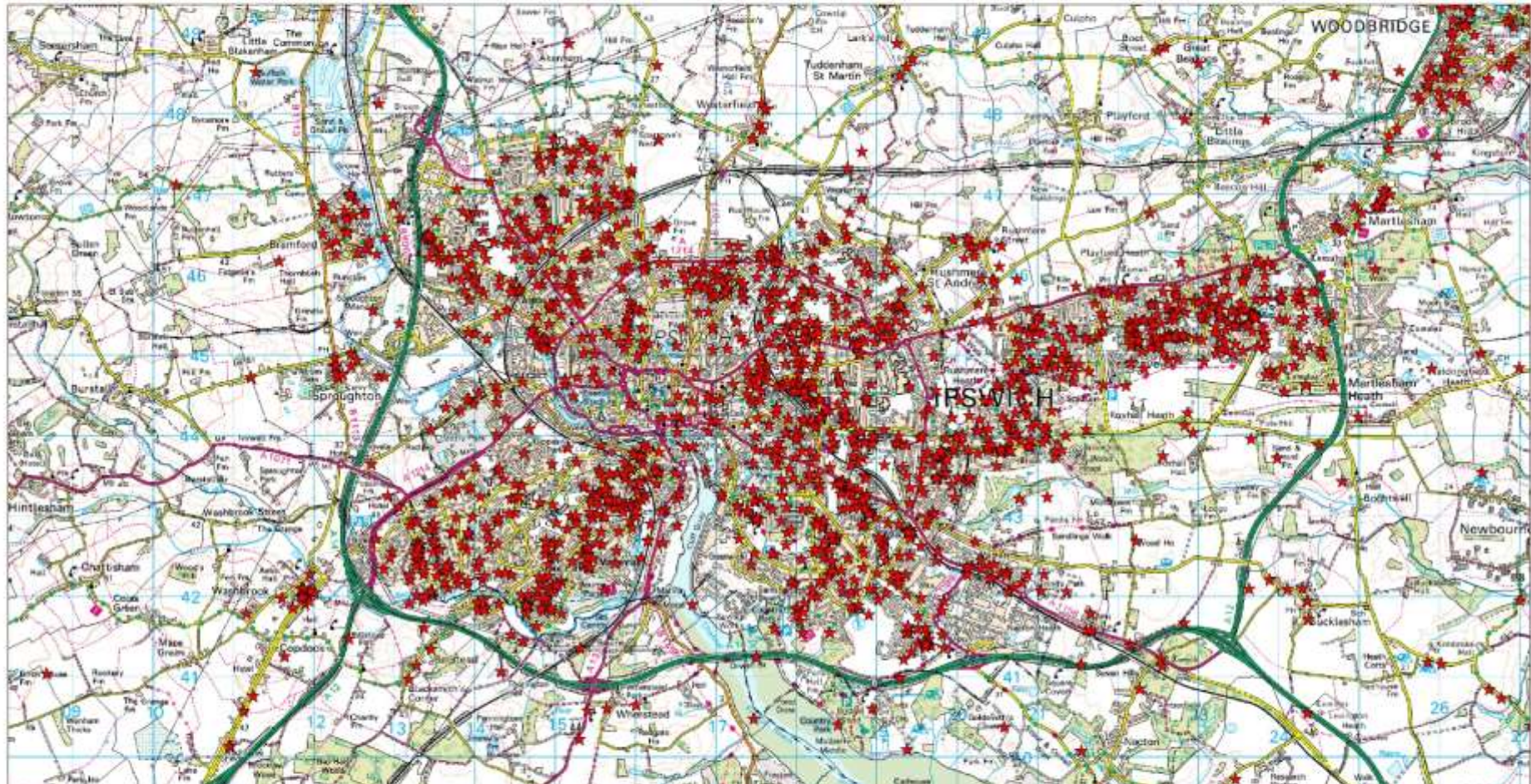


Ipswich hedgehogs

2014

Scale 1:67001

Suffolk Wildlife Trust
Brooke House
The Green
Ashbocking, IP6 9JY



Russell Armer Homes builds hedgehog-friendly houses

3 February 2016

The first developer to proactively engage with Hedgehog Street has ensured that all 56 homes it is building this year will have hedgehog highways through their gardens.



Barratt Developments and RSPB breathe (wild)life into new build housing



Last modified: 16 February 2015



The RSPB is working with Barratt Homes to Give Nature a Home

Image: Eleanor Bentall

Bovis Homes building hedgehog habitats

Five-star UK housebuilder, Bovis Homes, is expanding its portfolio and working with Willows Hedgehog Rescue, going the extra mile to help local hedgehogs.



Awareness amongst existing garden owners

Awareness amongst architects and planners

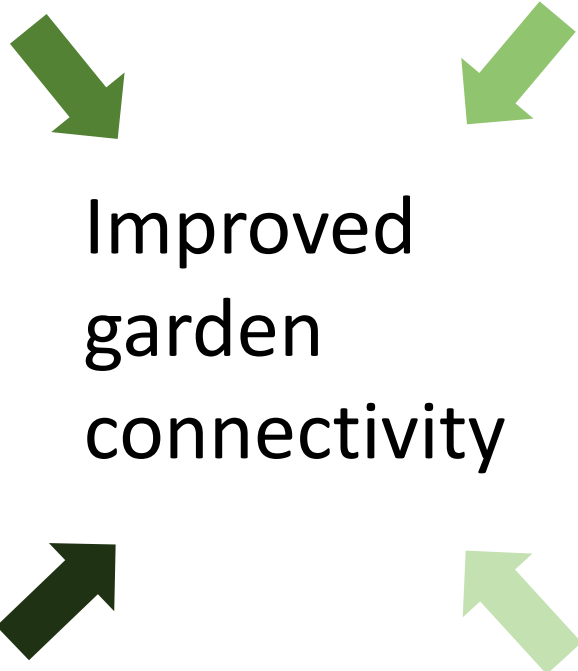
Consultants and planning officers recommending hedgehog mitigation

Easily available hedgehog friendly fencing options

Improved garden connectivity

Porous boundaries as standard in newbuilds

Fencing contractors & landscapers promoting porous fencing





Thank you!



References

- PTES & BHPS (2015) The State of Britain's Hedgehogs 2015. Available at: http://www.britishhedgehogs.org.uk/pdf/SoBH_2015.pdf
- Reeve (1982) The home range of the hedgehog as revealed by a radio tracking study. In: Cheeseman C L and Mitson R B (eds) *Telemetric Studies of Vertebrates* (Symposium of The Zoological Society of London 49) pp 207-230, Academic Press: London, UK
- Moorhouse (2013) Population viability analysis of hedgehogs in rural and urban habitats. Report prepared for the People's Trust for Endangered Species & the British Hedgehog Preservation Society. Unpublished.
- Ipswich Borough Council (2013) Ipswich garden suburb supplementary planning document draft for public consultation . Figure 5 Development Framework Plan Available at: https://www.ipswich.gov.uk/sites/www.ipswich.gov.uk/files/Ipswich_Northern_Fringe_Garden_Suburb_SPD_v12_-_Draft_for_Public_Consultation.pdf