

Wildlife, Law and Policy

ADA Environment Day 2024

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Retirement/Reflection

Lincolnshire Coastal Project

Home | About the Project | Contact us

Wildlife Heritage Farming Explore The Marsh Classroom News & Events Gallery

Wildlife
Heritage
Farming
Explore
The Marsh Classroom
The Riddle of the Marshes

Chapel Six Marshes Easy Access Trail near Chapel St Leonards. Credit: Tom Cairns

First King's Series National Nature Reserves

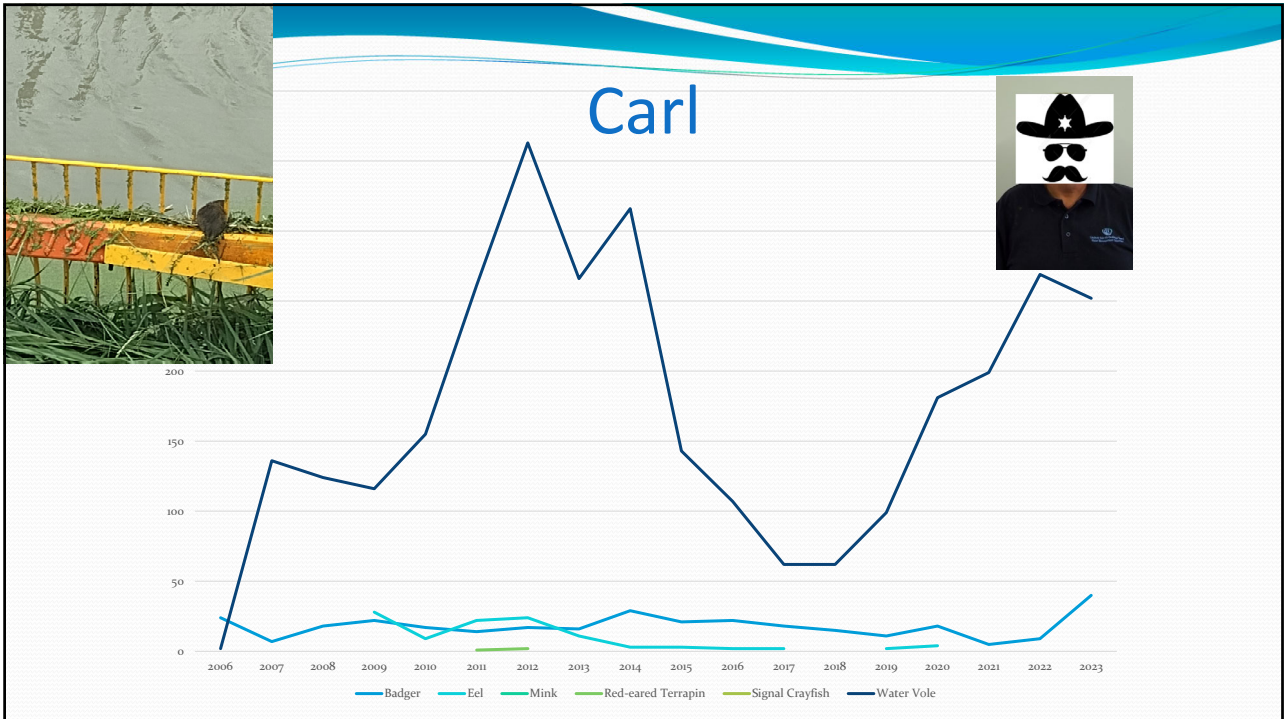
Explore, experience and enjoy
this slice of living countryside, with its

- beautiful big skies
- sandy beaches and dunes
- wonderful wildlife and nature reserves
- historic villages
- glorious walks

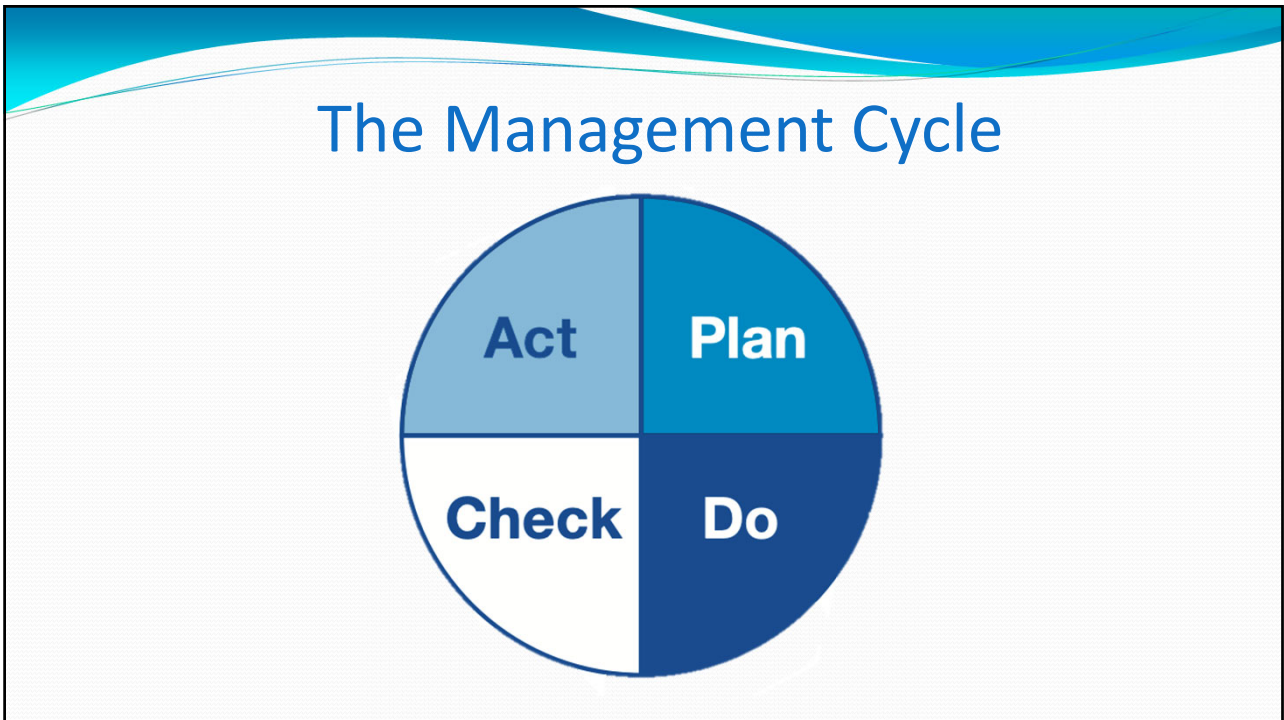
Map locations circled in red: Sandilands, Anderby Creek, Chapel St Leonards.

Legend:
 - England Coast Path
 - Walk start point
 - Equestrian centre
 - Lincolnshire Wildlife Trust reserve
 - Other wildlife viewing areas
 - Main attraction
 - Parking
 - Includes parking for 2 larger vehicles
 - Place to eat
 - Farm shop
 - Toilets (opening times vary)
 - Disabled access
 - Picnic area

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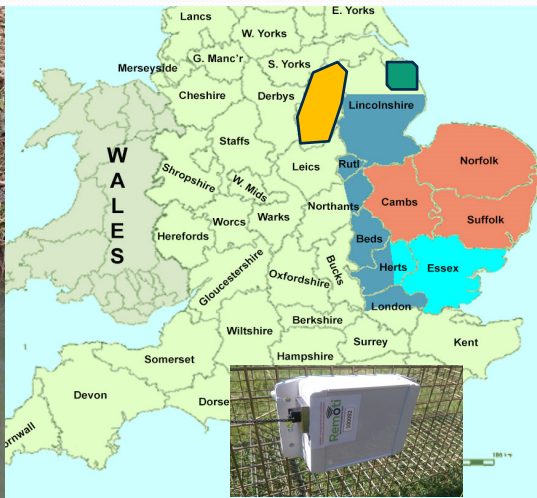
Water Vole – Key Sites

The U
Adde

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Catchment Sensitive Farming

Agricultural land - >£10,000 an acre!

Flowing downstream/to the sea!



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Catchment Sensitive Farming

Farming

Adviso

More a



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Desilting



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Pump-suction desilting



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Legislation

Land Drainage Act 1991 (Section 5)

“an internal drainage board or local authority may”

(a) “dispose of any matter removed in the course of the carrying out of any work for widening, deepening or dredging any ordinary watercourse; and”

(b) “deposit any matter..... removed and deposited by mechanical means in one operation”.

D1 waste exemption:
depositing waste from
dredging inland waters

U10 waste exemption:
spreading waste to
benefit agricultural land

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Storm Babet et al



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River Idle Washlands SSSI



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Natural Flood Management



trent rivers trust
Conserving and enhancing the rivers of the Trent catchment for people and wildlife

Natural Flood Management (NFM) in Clabrough and Welham

Project background: The long history of flooding in Clabrough and Welham in North Nottinghamshire demonstrates these villages' vulnerability to the incoming water (e.g. serious floods in summer 2007, January 2008 and November 2019). To help mitigate flooding in these two villages, an NFM project, funded by Nottinghamshire County Council and led by the Trent River Trust, has strategically installed 150 NFM features across the 4.7km² catchment.

Our approach – Slowing the flow with Natural Flood Management

- Stage 1 – Scope catchment – via flow modelling, targeted walkovers, talking with landowners.
- Stage 2 – Design suitable interventions (working with landowners).
- Stage 3 – install interventions to reduce flood risk.
- Stage 4 – Monitor performance and maintenance.

Interventions: 8 bunds • 35 leaky barriers • Construction of a 2-stage channel in an existing ditch to increase water storage capacity • 3 offset storage ponds • Tree planting storage areas • 0.5ha of native woodland species to create a tree buffer zone

These interventions have been strategically installed across the upper catchment to accumulationly store/hold back water during heavy rainfall events. Water is subsequently released more slowly, delaying the flood peak and thereby helping to reduce flooding in Clabrough and Welham.

The impact – A win-win for communities and nature – our NFM schemes work alongside nature and create new and better environments, store carbon, which being considerably cheaper than many engineered schemes.

Trent Rivers Trust
The Old Police Station, Wharmouth Road, Besson, Derbyshire, DE7 5GF
Email: enquiries@trentriverstrust.org



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Natural Flood Management

Prof Alastair Driver
Director - Rewilding Britain

Broughton Sanctuary
“Not the silver bullet for coping with flooding like we’re experiencing now”.



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INNS – Invasive Non-Native Species



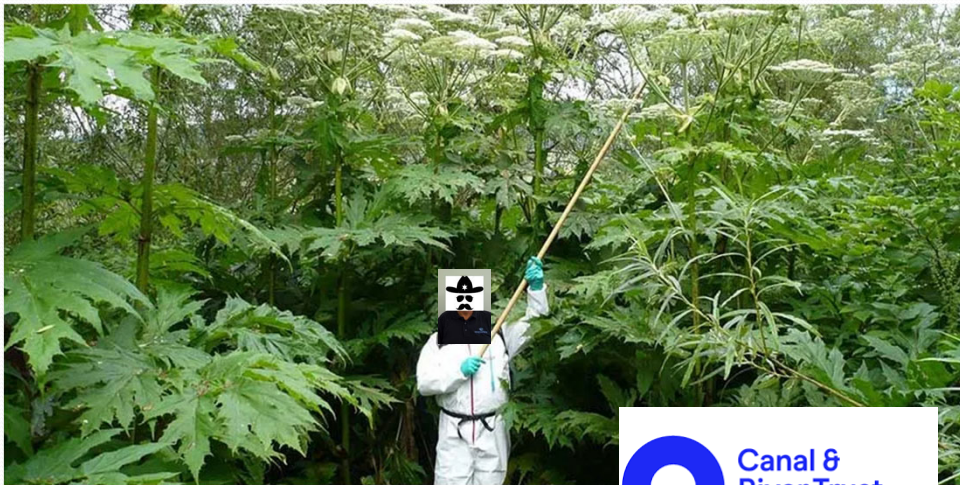
Floating Pennywort

Japanese Knotweed etc etc!



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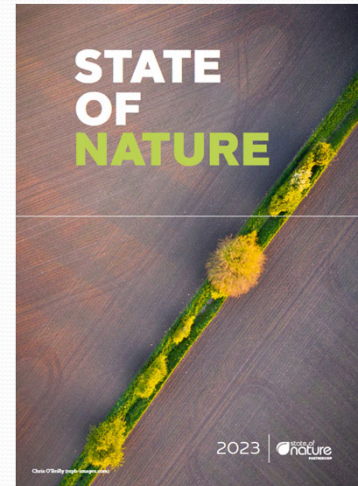
Giant Hogweed



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State of Nature

Yet, despite progress in ecosystem restoration, conserving species, and moving towards nature-friendly land and sea use, **the UK's nature and wider environment continues, overall, to decline and degrade.**



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Sites of Special Scientific Interest

National Parks and Access to the Countryside Act 1949

62,000 hectares!

13,000 SSSI land managers!

2023 - 38% of SSSIs in favourable condition

75 years of progress??

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While Rome burns



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Legislation – What Works?

- Sea Birds Protection Act 1869
- The Protection of Birds Act 1954
- National Parks and Access to the Countryside Act 1949
- Land drainage Act 1991 – (now all public authorities)
- Wildlife and Countryside Act 1981
- Environment Act 2021

and many more.....

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Bats

Lincolnshire Bat Group

Common pipistrelle & Soprano pipistrelle - (only split in 1995)

Nathusius pipistrelle - **New Species**

Barbastell

Brandt's - **New Record**

Brown long-eared

Daubenton's

Leisler's - **New Record**

Natterer's

Noctule

Serotine - **New Record 2014 DNA**

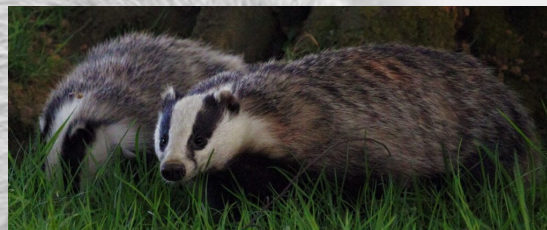
Whiskered Bat



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Badger Ecology – Social Habits

- Dominant male = **Boar**
- Dominant breeding female = **Sow**
- Live in (un)social groups called a **Clan**
- Clan = 2-20 individuals but **most often 4-8** including boar, sow and last years' cubs but can include some subordinate males and females
- **Territorial** – territory size variable but can be up to 6 clans in 1km square in good habitat
- **Nocturnal & inactive in winter** (but don't hibernate)



Middle Level **Badgers**

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Environment Act 2021

(1) The Secretary of State must by regulations set a target (the “species abundance target”) in respect of a matter relating to the abundance of species.

(2) The specified date for the species abundance target must be 31 December 2030.

Is another 6 years of decline is acceptable??????

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Biodiversity Net Gain!



Hinkley nuclear power station

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Biodiversity Action Plans

The UK Biodiversity

UK Post-2010 Biodi

to 2020

30 by 30: a boost for

Nature Positive 2030

etc etc and p

Government



Legislation/ Policy – what works?

Barn Owls



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Waterlife Recovery Trust

2001 Game & Wildlife Conservation Trust



2020 East Anglia - came together as Waterlife Reco

2023 Waterlife Recovery Trust (Charity)



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Budanest

Progress with the Fenland Flora in 2023

Owen Mountford and Jonathan Graham

The Fenland Flora is almost finished!

This will be the shortest progress report that we have ever produced, down from the 12 pages of 2021-22. To a very large degree, our silence in recent months reflects noses to the proverbial grindstone. This brief newsletter should be the last before we announce publication. Rather than provide a full description of our activity in the past 18-24 months, we will simply list where we are and what next.

- 1) All species accounts are now complete, covering all vascular plants and *Charophyta*
- 2) As we wrote in our last progress report, the main body of the Fenland Flora Database is now closed, but (of course!) the last two years have seen some new interesting records in Fenland which have been added to the database. Where necessary, species accounts have been amended to take account of important discoveries.
- 3) Introductory and other chapters will be drafted over the winter of 2023-24 i.e.
 - Recording of the flora
 - Habitats and landscape
 - Geology and soils
 - Palaeoecology
 - Drainage and its history
 - Social History
 - Agricultural history
 - Urbanisation and transport, including waterways
 - Habitat conservation and restoration
 - Annotated checklist of bryophyta and other groups
- 4) We have been in discussions with a designer/publisher i.e. *Pisces Publications* (part of *NatureBureau* (see <https://www.naturebureau.co.uk/bookshop>) and the publisher not only of recent books on the Great Fen, the Nature of Cambridge, and Cambridgeshire Mosses &

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Local Nature Recovery Strategy



Greater Lincolnshire Local Nature Recovery Strategy



What is a Local Nature Recovery Strategy?

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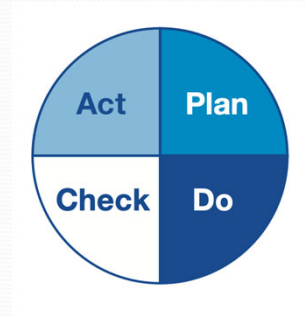
Management Cycle – Review

Plan – Legislation & Policy

Do – Funding

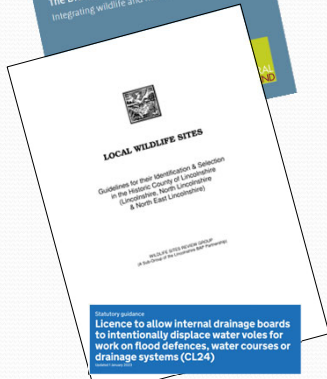
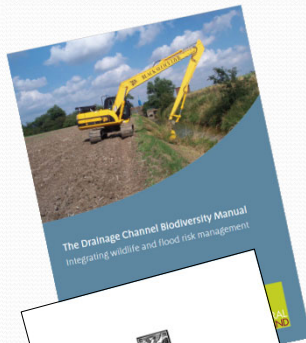
Check – NGO/SSSI

Act - Changing Government.....



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Thanks



Creating and Managing Grassland for Breeding Waders on the Lincolnshire Coastal Grazing Marshes

Statutory guidance: Licence to interfere with badger setts for watercourse and drainage purposes (CL27)



Environmental Good Governance Guide

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