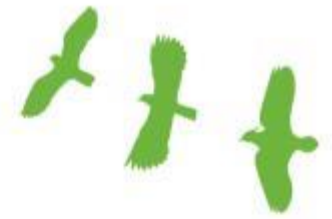




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Case studies and aspirations from the South Lincolnshire Fens

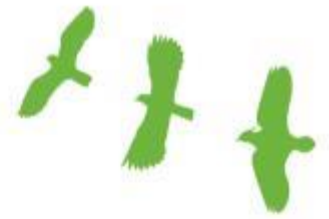
Tammy Marie Smalley
Head of Conservation

5 March 2020



**FENS FOR
THE FUTURE**

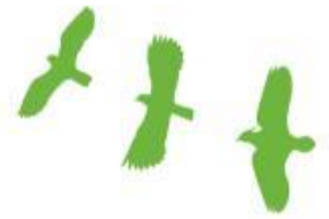




Introduction

- Introduce myself
- Introduce Lincolnshire Wildlife Trust
- South Lincolnshire Fens work and what next
- And what I want for Greater Lincolnshire from you!

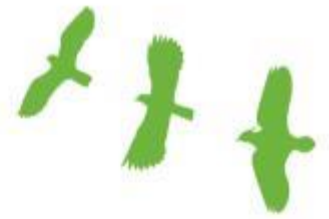




Who am I?

- Started with LWT in November 2016
- 7 years Natural England national marine
- 7+ years Wash Estuary Project Officer covering the Fens
- Environmental consultant
- Worked in farming: from veg packing to shepherding
- Of the Lincolnshire Fens – peatlands!!





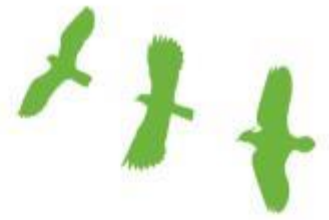
Who is LWT?

- Membership based charity
- ~28,000 members
- ~100 nature reserves
- ~ 75 staff
- Volunteer organisation
e.g. £40-50,000 posting p.a.
- One of 46 UK WTs
- 800,000+ members





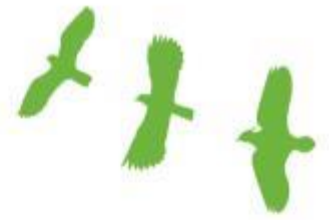
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LWT's Vision

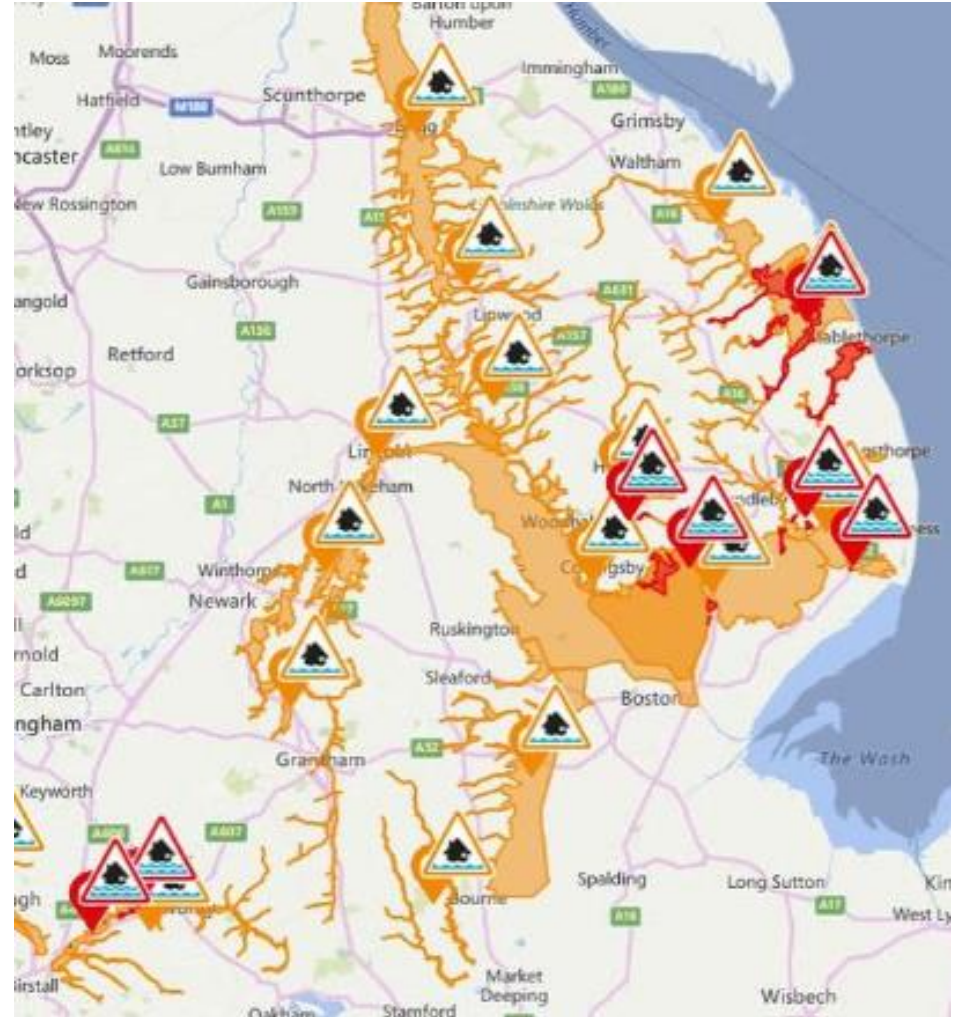
Lincolnshire and the neighbouring sea and estuaries to be rich in wildlife for the benefit of all.

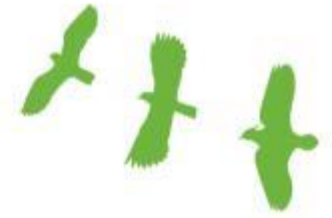




Water in Lincolnshire

c/o gov.uk



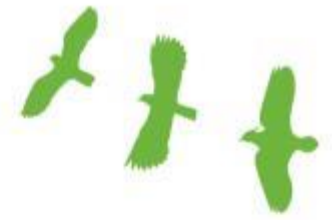


Farming in Lincolnshire

Greater Lincolnshire:

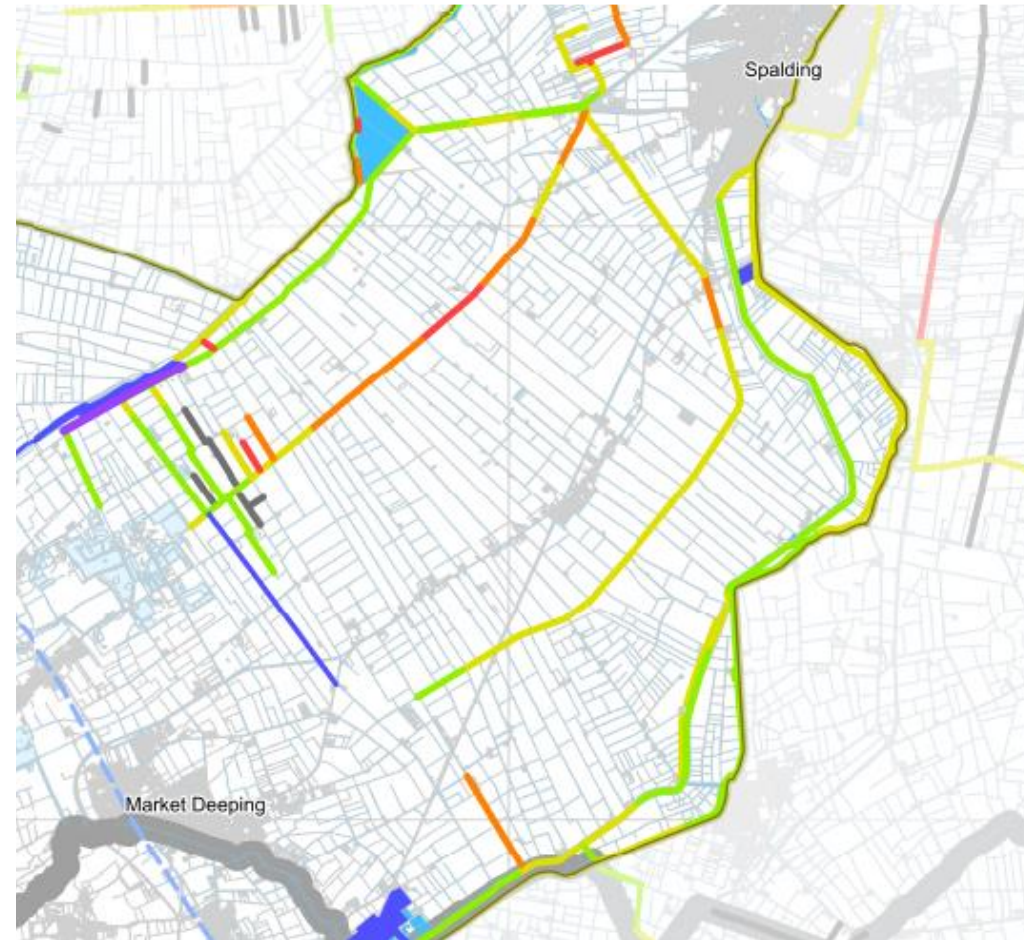
- >70% ploughed annually
- 25% of vegetable production
- 21% of ornamental cut flowers
- 19% of sugar beet
- 18% of poultry meat
- 24% employed in the food chain sector
- 21% of the economic output
- Why – Greater Lincolnshire has more grade 1 agricultural land than any other LEP in England





Local working

- Working in partnership
- Road verge biomass trials with LCC, farmers & specialists
- Supporting clusters of farms: Fens Facilitation Fund
- Collating evidence & community aspirations on the natural environment



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Strategic working...

- Water Resource East delivery partnership
- Water resource management at a landscape scale with multiple benefits for multiple users
- Full application for funding to build the evidence base to inform catchment based plan: 'Developing Water Catchments Resilient to Climate Change'
- Completing full proposal for national trial of the new agri-environment scheme (ELMS) focusing on market trading models for water related environmental assets



Limestone Uplands & Aquifer

Catchment Water Transfers A in & B out

Note: Not to Scale –
Layout Schematic Only

Slow the Flow
Temporary
Washlands
& Features

Headwater
Forestry,
Grasslands,
Sink &
Spring
Buffer
Zones

Springs
A

Fens, Gravel Pits
& Reservoirs

Reservoir

Water
Storage Pits

Working Pits

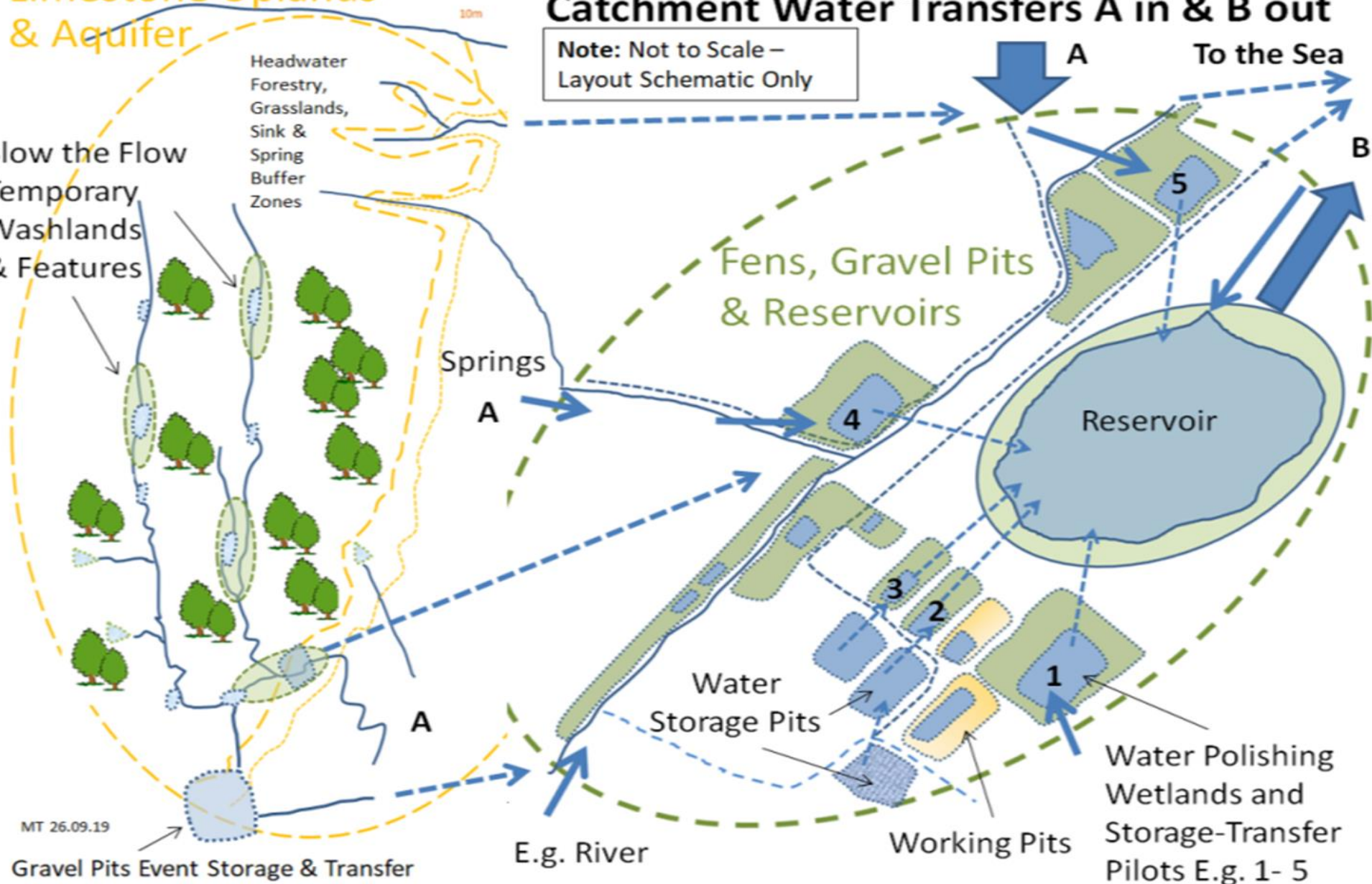
Water Polishing
Wetlands and
Storage-Transfer
Pits E.g. 1- 5

E.g. River

To the Sea

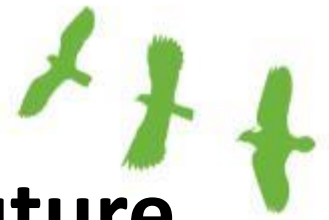
MT 26.09.19

Gravel Pits Event Storage & Transfer





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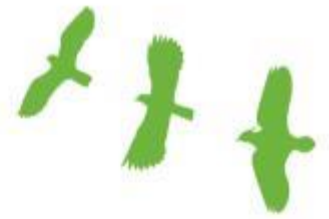


Inspiring & Advocating for a Wilder Future



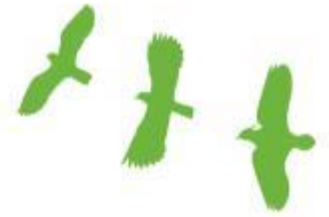


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What is required going forward

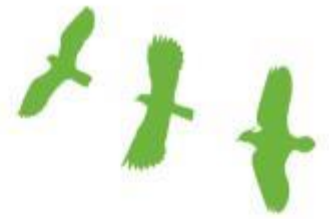




Peatlands recognition

- Superhero of ecosystems e.g. clean water, manage flood risk, home for rare species.....
- Peatlands account for about 3% of the world's land surface, but store at least twice as much carbon as all of Earth's standing forests





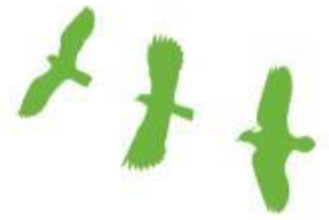
Enabling

- Capital funds for land purchase e.g. 50ha site – multiple benefits
- Integrated Net Gain and habitat banking system across the Fens
- Support systems and funds for farming to maximize precision farming and public goods – public & private funded – water and food farmers
- Nature's recovery across the Fens for the good of all





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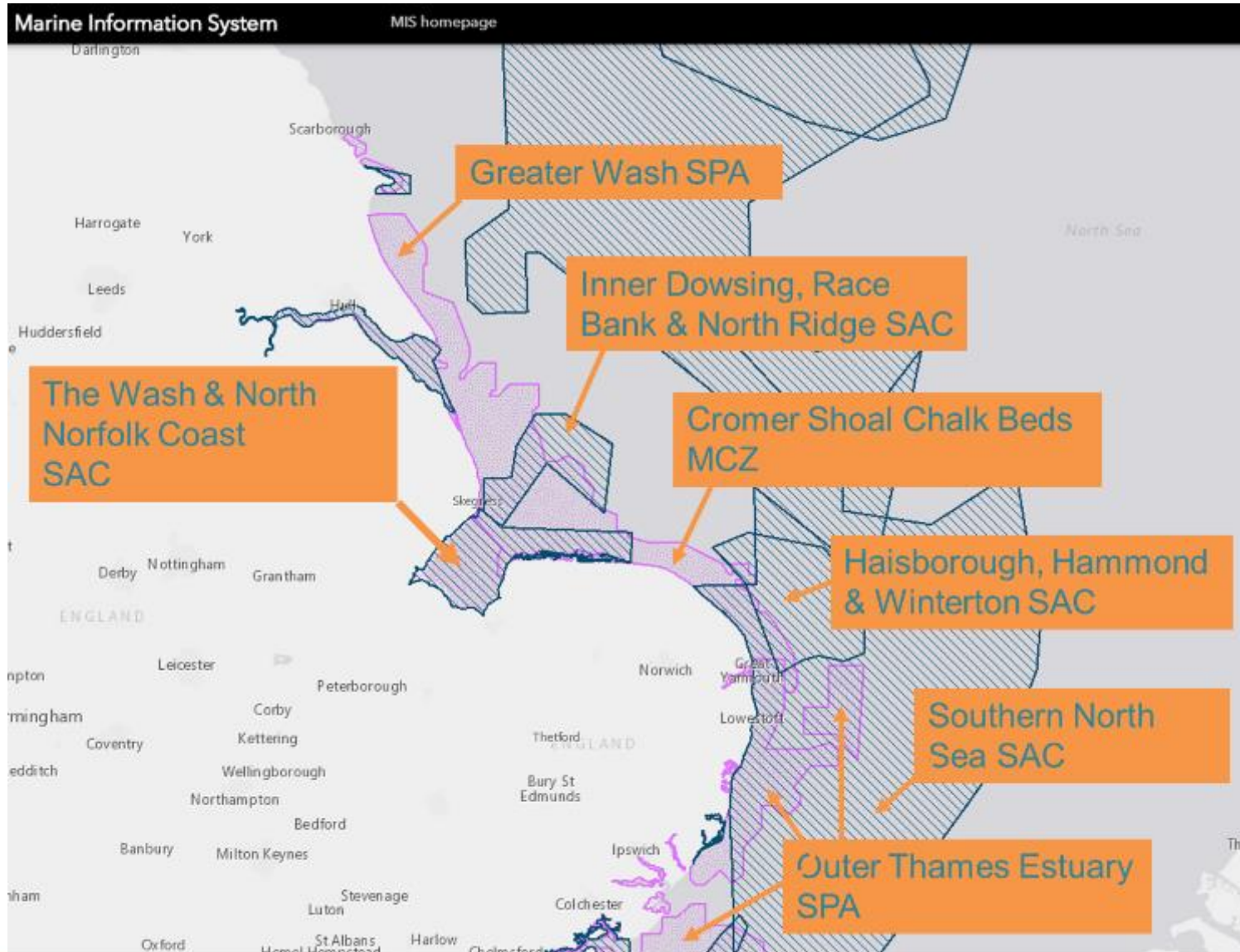
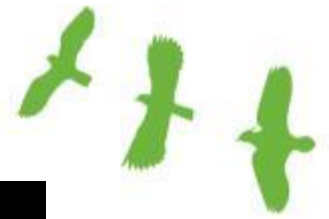


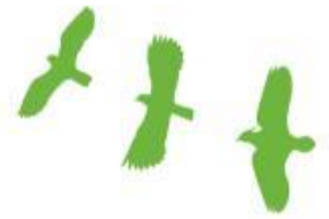
Holistic, integrated land-sea planning











I am and will be
Tammy of Lincolnshire
of The Wash & the Fens

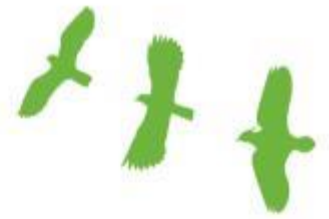
Inspired by Nature
Willing to stand up for Nature

Working to secure food and water for
all, and tackle climate change





Lincolnshire
Wildlife Trust



Email: tsmalley@lincstrust.co.uk

Office: 01507 526667

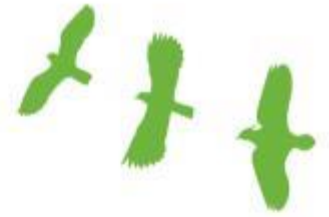
Mob: 07867 793111

Thank you for listening





Acknowledgements



- Maps screenshots c/o: gov.uk and GLNP
- Images by others: Mark Tarttelin, Robert Enderby, Simon Cooter, Terry Whittaker (2020Vision), Jade Oliver, Gary Mantle, WESG, The Wildlife Trusts, Geoff Trinder

