



11th July 2023



RSPB – East Coast Wetlands
Philip Pearson, RSPB



East Coast Flyway (Humber to the Thames)

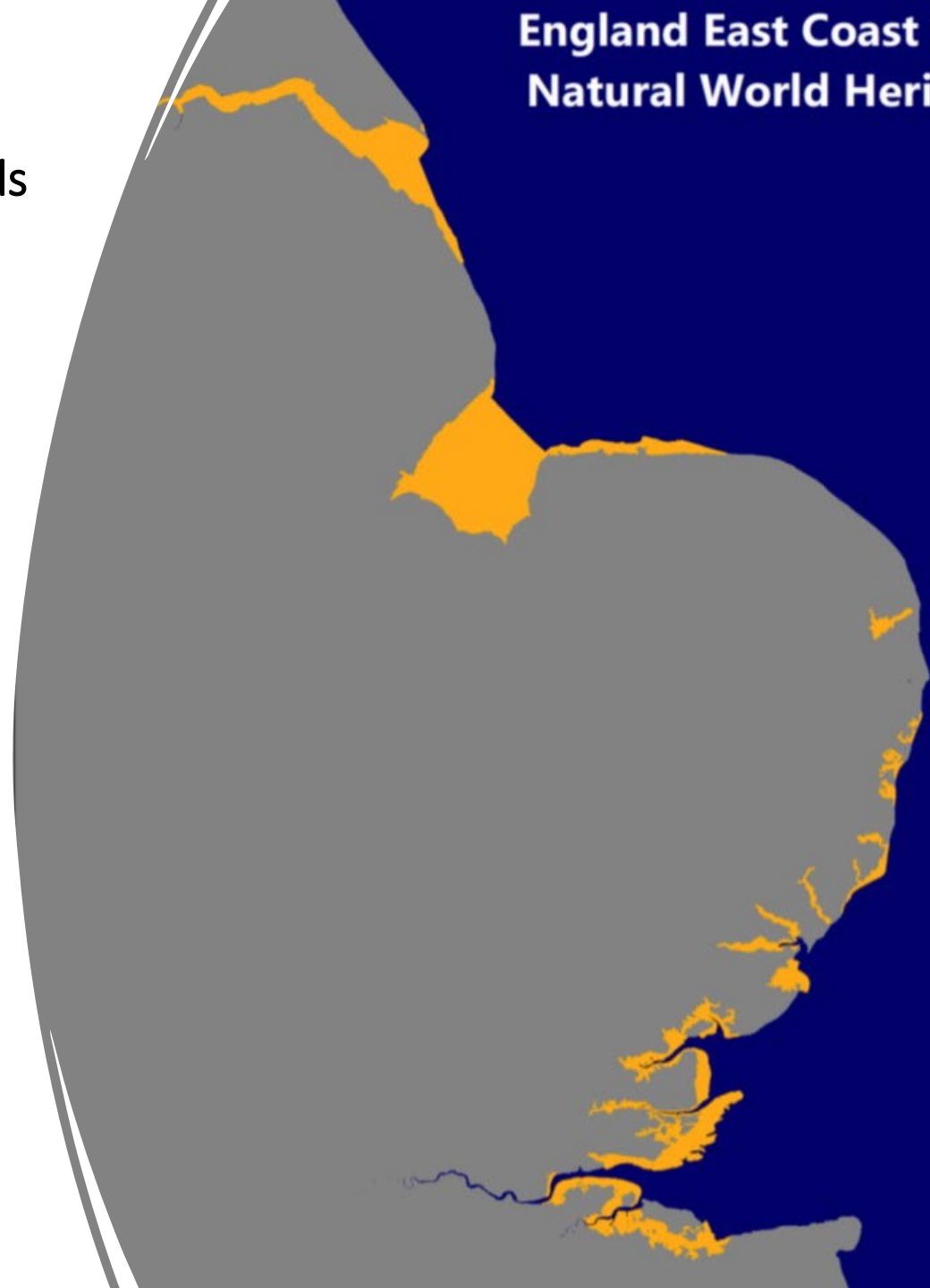
Potential Natural World Heritage Site



unesco

East Atlantic Flyway : England East Coast Wetlands (Humber-Thames)

-
- Added to the UK Tentative List of Potential World Heritage Sites (April 2023)
 - Shortened name
“East Coast Flyway”



What is UNESCO?



UNITED Nations, Educational,
Scientific and Cultural
Organisation



Established in 1945



195 Members



HQ in Paris



Works to create the conditions
for dialogue to achieve
sustainable development,
encompassing observance of
human rights, mutual respect
and alleviation of poverty

UNESCO Overarching Objectives

- Attaining quality education for all and lifelong learning
- Mobilizing science knowledge and policy for sustainable development
- Addressing emerging social and ethical challenges
- Fostering cultural diversity, intercultural dialogue and a culture of peace
- Building inclusive knowledge societies through information and communication



How many World Heritage Sites are there?

- **1157 World Heritage Sites**
- **900 Cultural**
- **218 Natural**
- **39 Mixed (Cultural + Natural)**

UK World Heritage Sites

- **33 World Heritage Sites**
- 28 Cultural
- 4 Natural
- 1 Mixed
-
- **2 Natural Sites (UK Mainland):**
- The Jurassic Coast (Dorset /Devon) (2001)
- Giants Causeway (Northern Ireland) (1986)
-
- **2 Natural Sites (UKOTs)**
- Gough and Inaccessible Islands (1995)
- Henderson Island (1988)
-
- **1 Mixed Site**
- St Kilda (1986)



What makes a Natural World Heritage Site?

Nature's most precious gifts to humanity

Natural World Heritage sites contain some of the Earth's most valuable natural areas recognised as being of Outstanding Universal Value (OUV) to humanity for their global significance to nature conservation.



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UNESCO World Heritage Site Criteria

Cultural

(i)

to represent a masterpiece of human creative genius;

(ii)

to exhibit an important interchange of human values, over a span of time or within a cultural area of the world, on developments in architecture or technology, monumental arts, town-planning or landscape design;

(iii)

to bear a unique or at least exceptional testimony to a cultural tradition or to a civilization which is living or which has disappeared;

(iv)

to be an outstanding example of a type of building, architectural or technological ensemble or landscape which illustrates (a) significant stage(s) in human history;

(v)

to be an outstanding example of a traditional human settlement, land-use, or sea-use which is representative of a culture (or cultures), or human interaction with the environment especially when it has become vulnerable under the impact of irreversible change;

(vi)

to be directly or tangibly associated with events or living traditions, with ideas, or with beliefs, with artistic and literary works of outstanding universal significance. (The Committee considers that this criterion should preferably be used in conjunction with other criteria);

Natural

(vii)

to contain superlative natural phenomena or areas of exceptional natural beauty and aesthetic importance;

(viii)

to be outstanding examples representing major stages of earth's history, including the record of life, significant on-going geological processes in the development of landforms, or significant geomorphic or physiographic features;

(ix)

to be outstanding examples representing significant on-going ecological and biological processes in the evolution and development of terrestrial, fresh water, coastal and marine ecosystems and communities of plants and animals;

(x)

to contain the most important and significant natural habitats for in-situ conservation of biological diversity, including those containing threatened species of outstanding universal value from the point of view of science or conservation.



Galapagos Islands



Waddensea



Yellow Sea Coast



Banc d'Arguin



Korean Tidal Flats



Great Barrier Reef

Global Examples of Natural World Heritage Sites

What is the World Heritage Site Tentative List?

- A Tentative List is an inventory of those properties which each State Party intends to consider for nomination
- State Parties are encouraged to submit their Tentative Lists of properties considered to be of Outstanding Universal Value and therefore suitable for inscription on the WHS list
- State Parties are encouraged to re-examine and re-submit their Tentative List at least every 10 years
- Nominations are only considered from Tentative Lists



UNESCO World Heritage Sites -UK Tentative List Review



Department
for Culture
Media & Sport

Managed by the Department of Culture, Media and Sport (DCMS)

Consultation ran 9 March – 15 July 2022

Including workshops and expressions of interest prior to preparation and submission of applications

Reviewed by DCMS appointed Independent Expert Panel

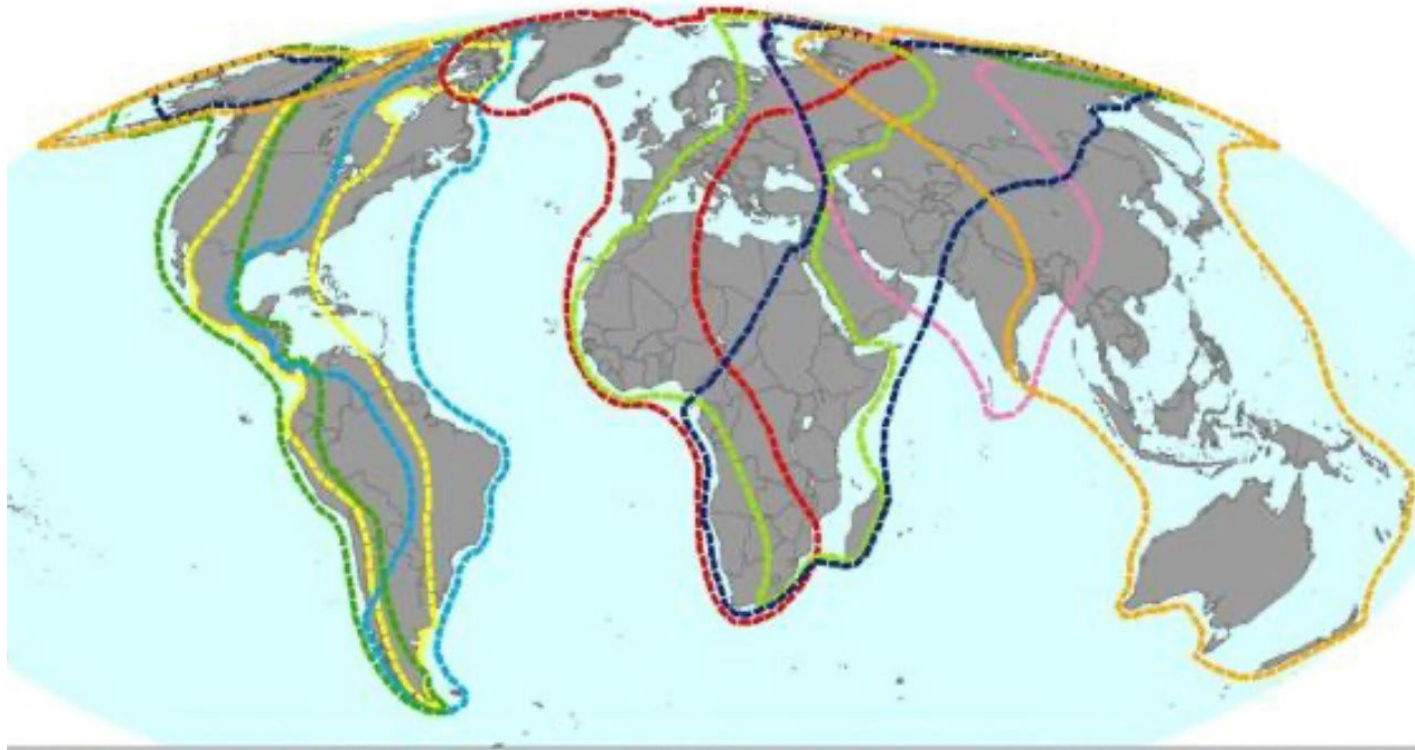
Recommended sites approved by Ministers

Why the East Coast Flyway?

- What is a Flyway, where are they, what makes them special?



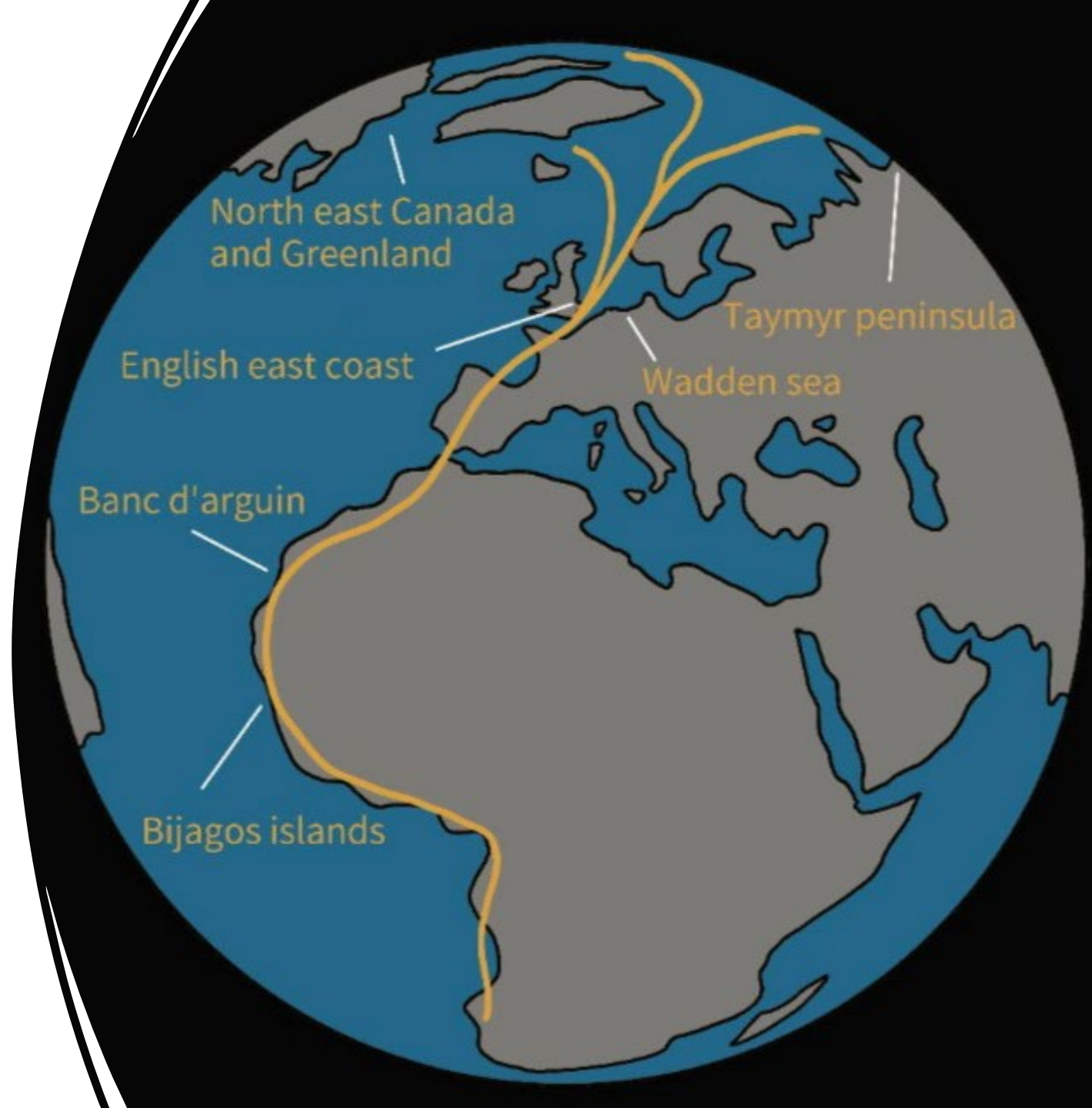
‘Superhighways for migratory waterbirds’

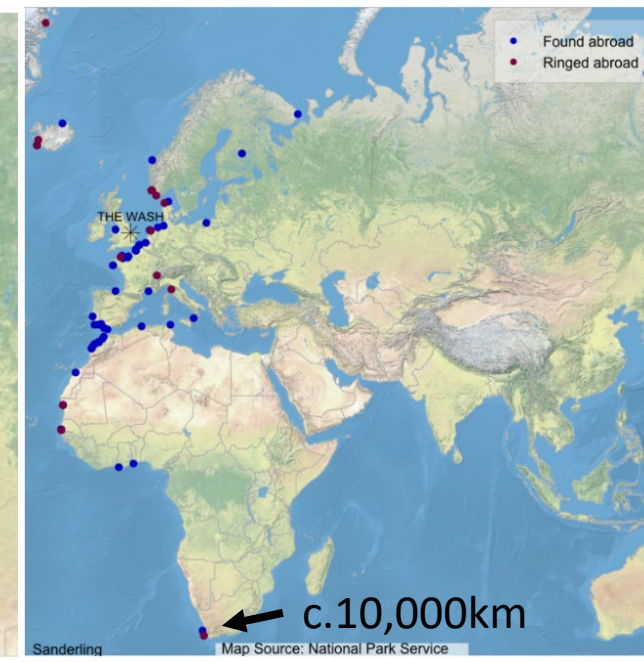
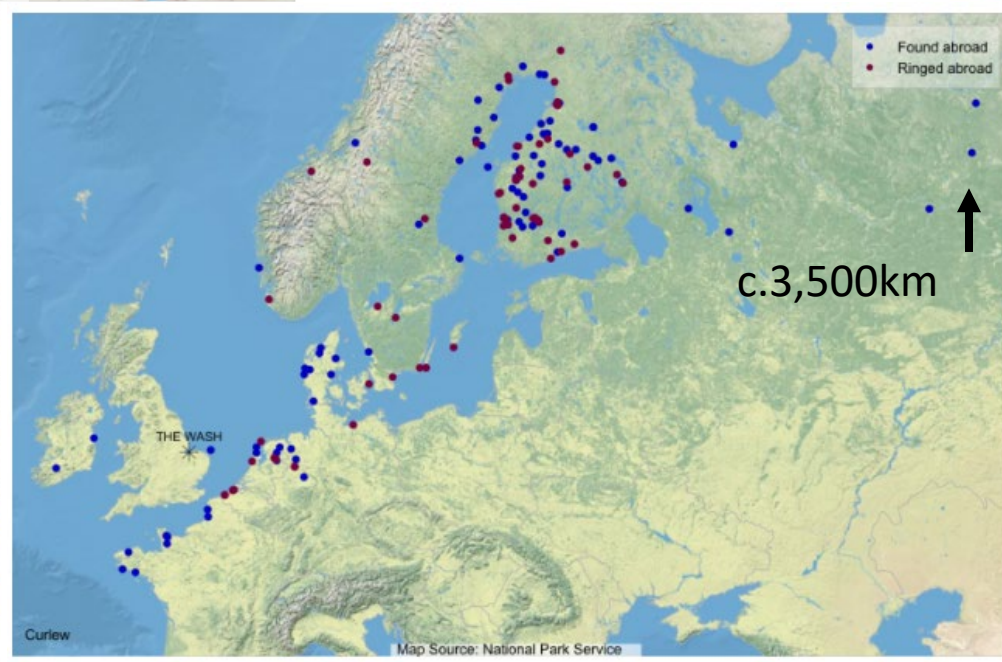
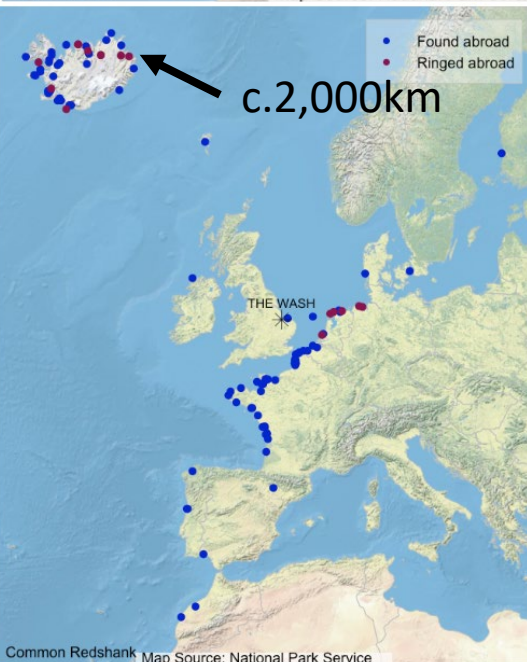
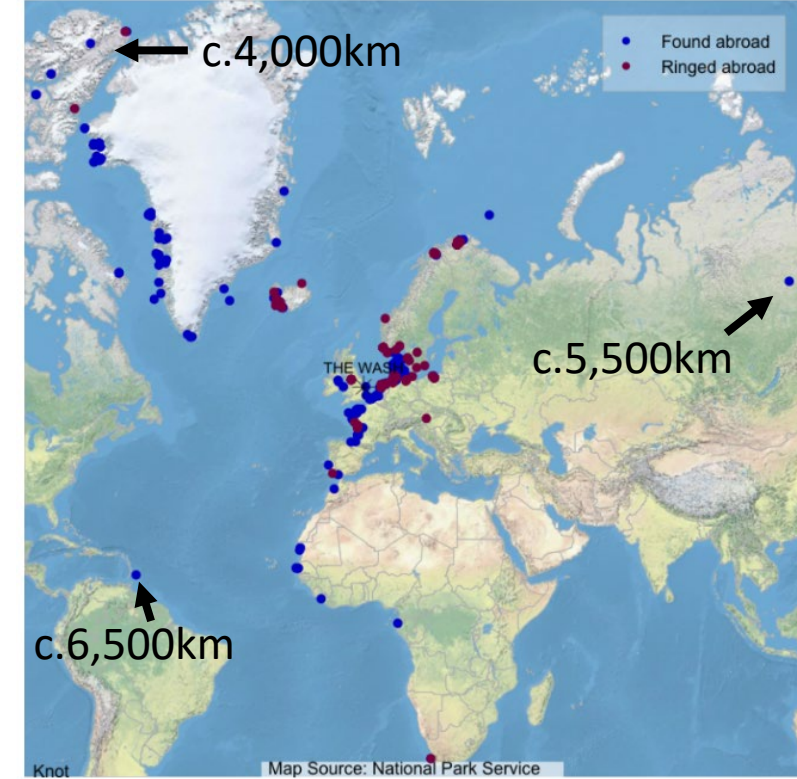
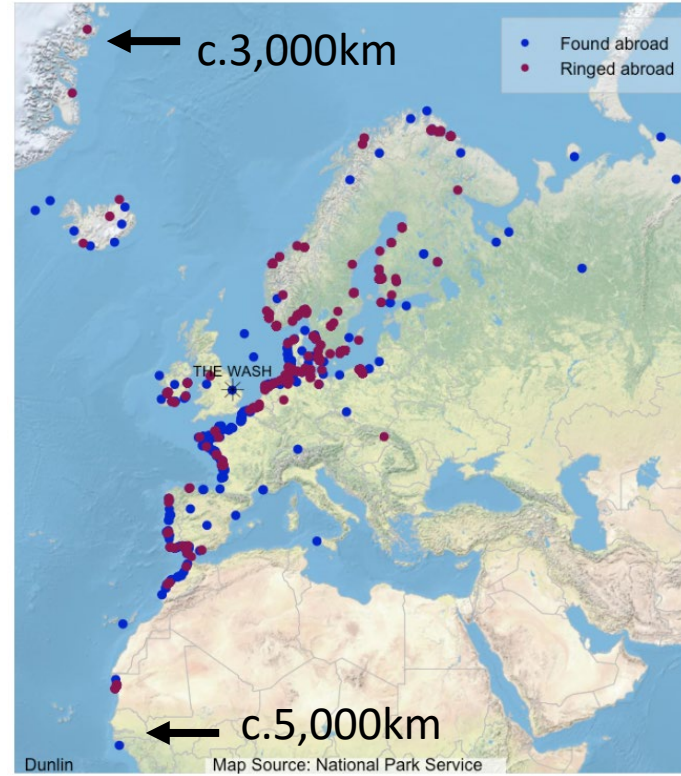
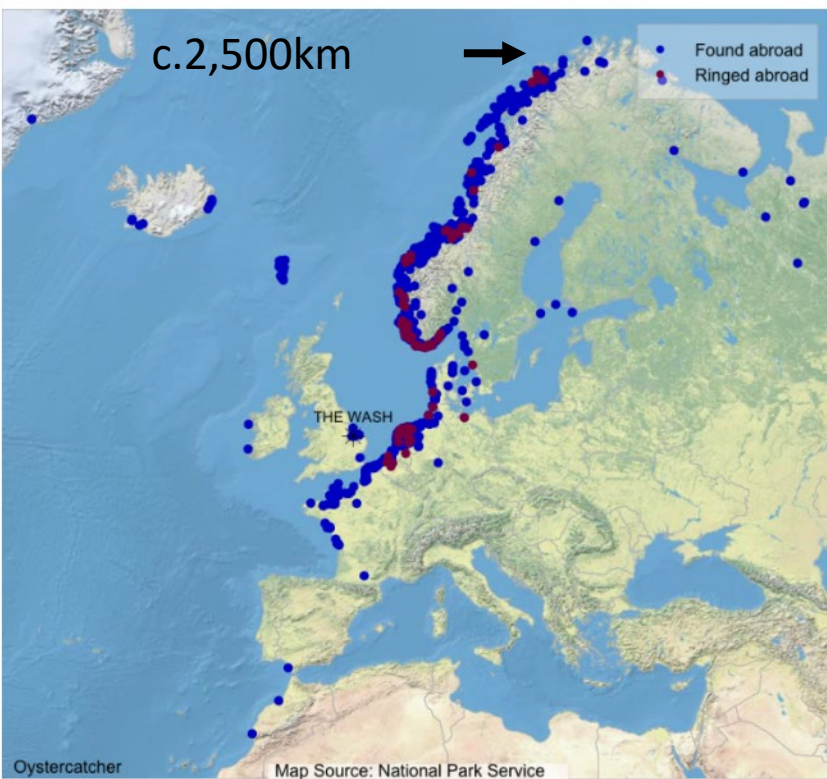


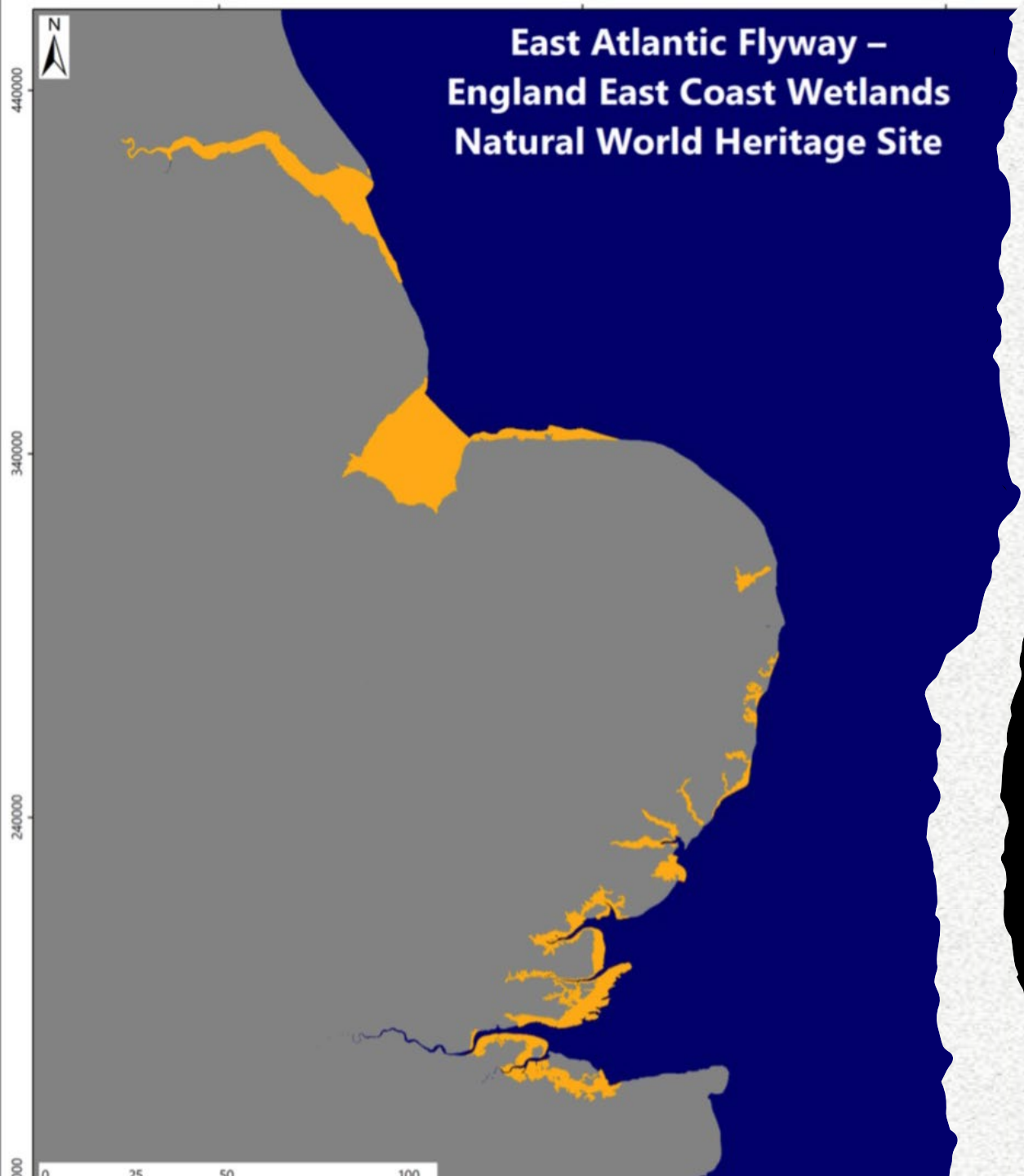
Global Flyways

East Atlantic Flyway

- One of eight global flyways
- Used by millions of waterbirds





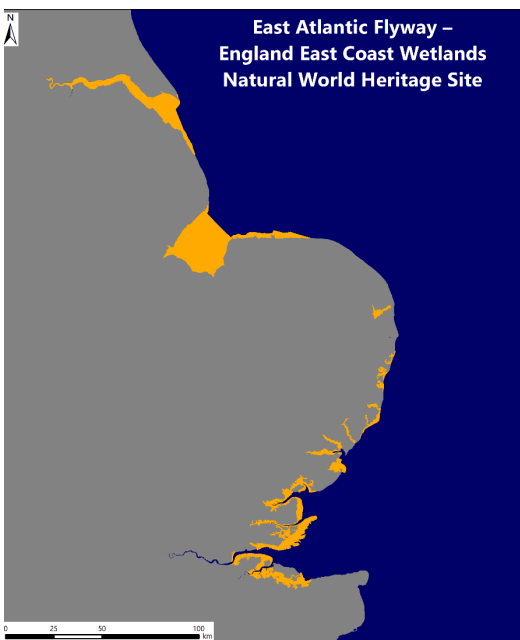


East Coast Flyway

- 21 Special Protection Areas (these include 21 Ramsar wetlands and 19 Special Areas of Conservation)
- Major Habitat Restorations (incl Freiston Shore, Wallasea Island)
- Ecologically interconnected and interdependent
- Humber to the Thames
- c.170,000 hectares
- Globally important Waterbird populations (29 species in internationally important numbers)
- World Class network of coastal wetlands
- Interdependencies with Waddensea and Banc d'Arguin NWHS
- UK is a global leader in coastal adaptation (including 23 managed realignment projects within this area)

The 21 Special Protection Areas

- Humber Estuary 37,630 ha
- Gibraltar Point 422ha
- The Wash 62,044 ha
- North Norfolk Coast 7,862 ha
- Breydon Water 1206 ha
- Halvergate Marshes 1433 ha
- Benacre to Eastern Bavents 471 ha
- Minsmere to Walberswick 1998 ha
- Alde-Ore Estuary 2404 ha
- Deben Estuary 981 ha
- Stour and Orwell Estuaries 3673 ha



- Hamford Water 3533 ha
- Colne Estuary 2720 ha
- Blackwater Estuary 4403 ha
- Dengie 3134 ha
- Crouch and Roach Estuaries 1848 ha
- Foulness 10942 ha
- Benfleet and Southend Marshes 2284 ha
- Thames Estuary and Marshes 4802 ha
- Medway Estuary and Marshes 4686 ha
- The Swale 6510 ha



East Coast Flyway

- Application submitted in July 2022 (criterion x)
- Submitted by RSPB, National Trust and Wildfowl and Wetlands Trust with support from Lincolnshire, Norfolk, Suffolk, Essex and Kent County Councils, Coastal Partnership East, Babergh District Council and the Crown Estate.

Independent Panel Feedback

- *...very interesting and ambitious natural heritage proposal*
- *... makes a clear and convincing case for the potential to demonstrate Outstanding Universal Value.*
- *...an interesting example for how natural heritage sites and their Outstanding Universal Value will need to adapt to climate change.*
- *...provides an opportunity for the UK to develop and demonstrate best practice for coastal adaptation in a changing environment.*
- *...noted the significant efforts that had gone into obtaining council and stakeholder support and were enthused about the potential and ambition of this application, and confident that support would be provided for this process.*
- *...the focus should be on 'realigning' and 'adapting' rather than 'protecting' wetland areas*
- *...suggested that the consideration of Criterion ix could improve the nomination bid.*
- *...Outstanding Universal Value could be refined in relation to other World Heritage site flyways and wetlands.*
- *...consideration as to whether a buffer zone should be included or not.*





Tentative List

UK Government Decision

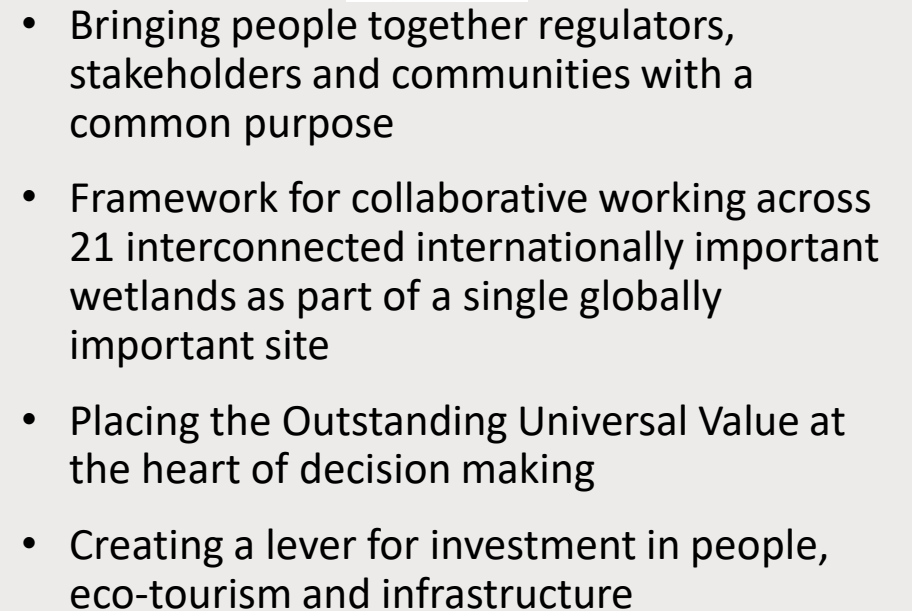
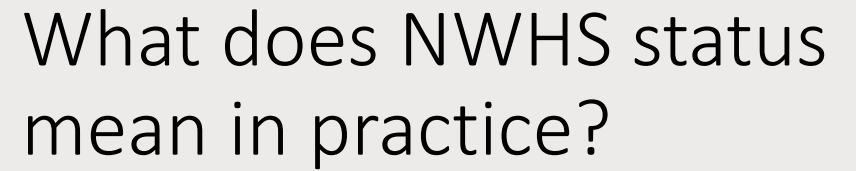
April 2023

- To add five new sites, and retain two existing sites making a new list of seven sites
- **UK Tentative List:**
- Birkenhead the People's Park [Cultural]
- **East Atlantic Flyway – England East Coast Wetlands [Natural]**
- The Flow Country [Natural]
- Gracehill Moravian Church Settlements [Cultural, Transnational]
- Little Cayman Marine Parks and Protected Areas [Natural]
- York [Cultural]
- The Zenith of Iron Age Shetland [Cultural]

Department for Culture, Media and Sport Press Release : April 2023

- “UNESCO also awards World Heritage Site status to the **most extraordinary natural places on the planet**. The East Atlantic Flyway, a migratory bird route over western parts of Europe including Yorkshire, Lincolnshire, Norfolk, Suffolk, Essex and Kent, joins the UK’s list in **recognition of its vital importance to bird populations and wildlife**. The area sees huge transient bird populations pass through every year as the seasons change.
- Heritage Minister Lord Parkinson of Whitley Bay said: “Today we are confirming **our support** for some of the most enchanting heritage sites and breathtaking landscapes in the UK and its Overseas Territories as they bid for UNESCO World Heritage Site status. **“All the locations being put forward would be worthy recipients of this accolade** – and we will give them our **full backing** so they can benefit from the international recognition it can bring.” “





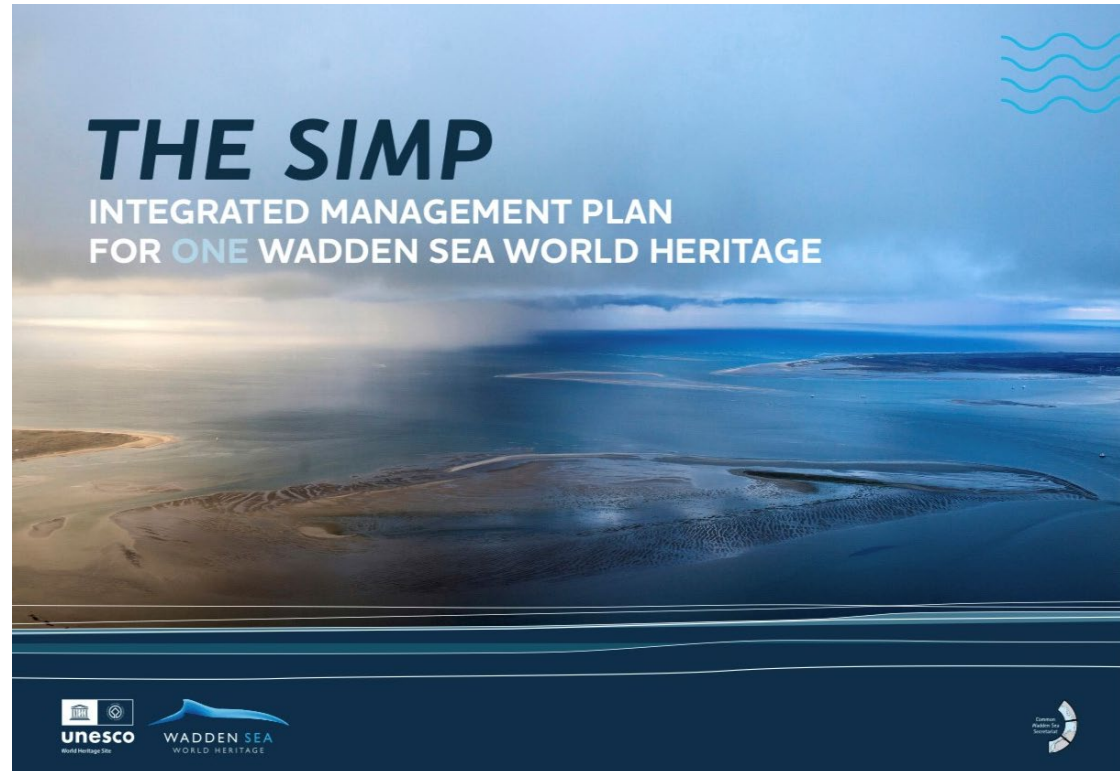


Benefits of being a Natural World Heritage Site

- Meeting UK commitment to International Agreements
- Public recognition – important accolade
- Conservation through awareness and valuing
- Greater access to funding
- Linking local communities to the role they play in:
 - the management and protection of Outstanding Universal Value
 - Issues of ecosystem sustainability and maintenance of biodiversity
 - Coastal adaptation

EXECUTIVE SUMMARY

The global importance of the Wadden Sea as the largest unbroken intertidal sand and mudflat ecosystem in the world, the longstanding conservation efforts of the Trilateral Governmental Cooperation (TGC) of the three Wadden Sea States, and the support from the Wadden Sea Region and its stakeholders are recognised by its World Heritage status. With the inscription of the Wadden Sea onto UNESCO's World Heritage List as a transboundary site, there came the request by the World Heritage Committee to develop a single integrated management plan with the purpose of further facilitating the continuous improvement of transboundary management coordination for the protection and maintenance of the Outstanding Universal Value (OUV).



Integrated Management Planning

Building Understanding and Support

- Community engagement
- Interpretation
- Education : passing on understanding of OUV to present and future generations
- Collaboration



A large flock of birds, possibly terns, is captured in mid-flight against a vibrant sunset sky. The sun is a bright, glowing orb near the horizon, casting a warm orange and yellow light across the clouds. The birds are silhouetted against the bright sky, forming a dense, sweeping arc across the upper half of the frame. The bottom of the image shows the dark, calm surface of the ocean.

Next Steps

- Understanding the process
- Involving others from the outset
- Learning from elsewhere
- Building a nomination Team
- Developing Governance (Nomination Team and Nomination Board)
- Resourcing dossier development
- Declaration of Support



World
Heritage UK



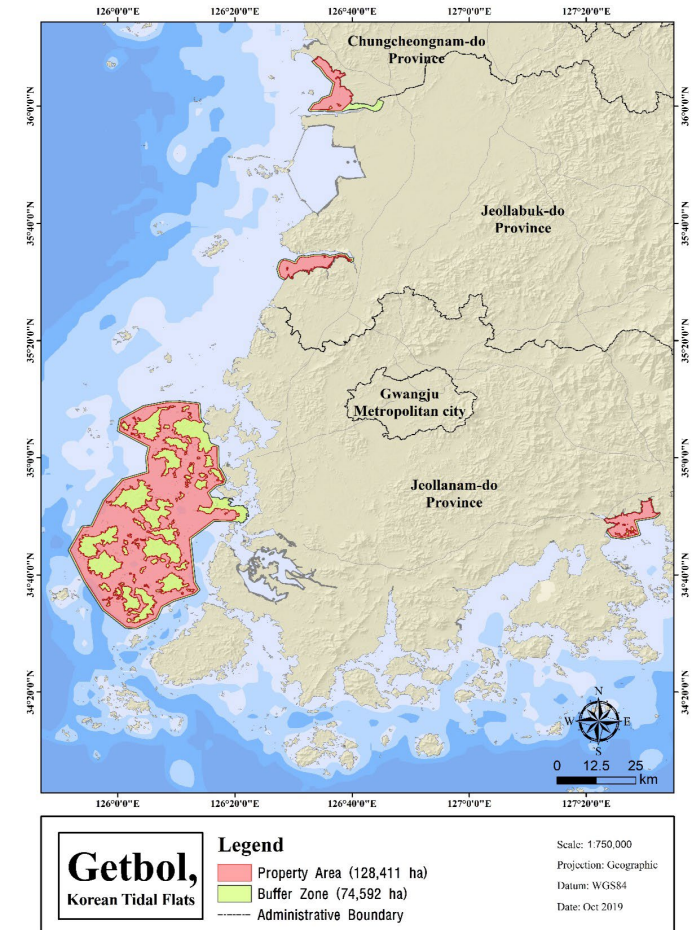
Tentative Site: East Coast Flyway

The East Coast Flyway is globally important for migratory waterbirds and for its nearly contiguous complex of ecologically connected and immensely variable coastal wetlands.

☐ UK Tentative List

Learning from Others – potential Collaboration Agreements

- Waddensea
- Getbol, Korean Tidal Flats





Next Steps : Nomination Process

- Completion of UNESCO Tentative List Form (DCMS) –September 2023
- Developing the Nomination Dossier (information to satisfy UNESCO) –first draft by August 2024
- Preliminary assessment by UNESCO submission deadline 15 September (2024) assessment received by 1 October (2025)
- Revisions to Nomination Dossier (6 months?)
- Technical Evaluation of the Dossier by DCMS (Quality check) – Spring (2026)
- Submission to UNESCO (draft) 30 September (2026) completed nomination 1 Feb (2027) (UK can submit one nomination every two years)
- Site visit by UNESCO advisory bodies (2027)
- World Heritage Committee Meeting Decision June-July (2028)
- Inscription (2028)



The RSPB Believes:

- East Coast Flyway is a globally important part of superhighway for millions of birds - a national treasure on the global stage
- Protecting, restoring and enhancing this coastline could and should unlock new economic benefits for landowners and communities – £billions not just millions
- Change for our coasts is already locked in...working with nature will create the greatest benefits for people, nature and the climate
- We need to plan and work together for the next 25/50/100 years of predicted coastal change



Environment Agency Update – Sea Palling and Eccles

Catherine Harries, Environment Agency



Environment Agency Update

NCF July 2023

Sea Palling Ramp

- Final details are being finalised and the Parish Council will receive communications imminently.
- Expected start date is September 2023- after school holidays.

Eccles Sea Wall Repairs

- We continue to work with the Parish Council regarding the concerns that have been raised.
- Despite contractors best efforts to remove sand from some areas, the works were impacted.
- Some voids are visible but the majority of the seawall is filled with concrete.
- We will continue to undertake routine inspections and are looking to clarify some details with those that raised some concerns.

Routine Works

- Asset inspections
- At this time of year, we ensure H&S assessments are undertaken at honeypot sites.
- Routine maintenance programme e.g. grass cutting and structure maintenance.

Questions and Comments





North Norfolk Water Quality
Lisa Turner, Environment Agency

Water quality in North Norfolk

Lisa Turner

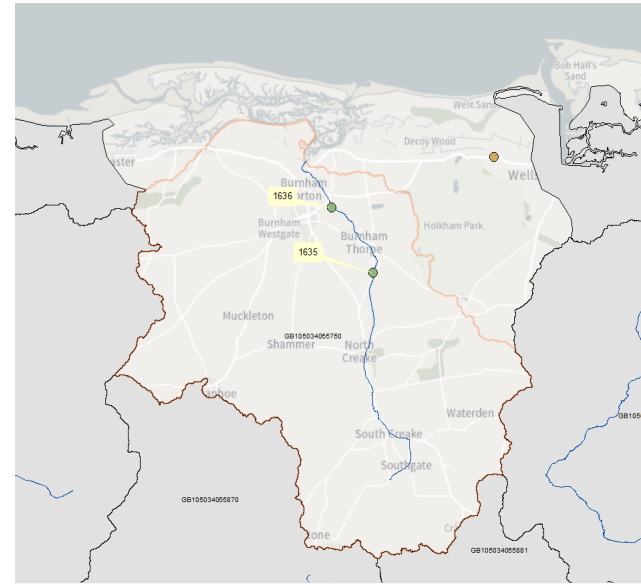
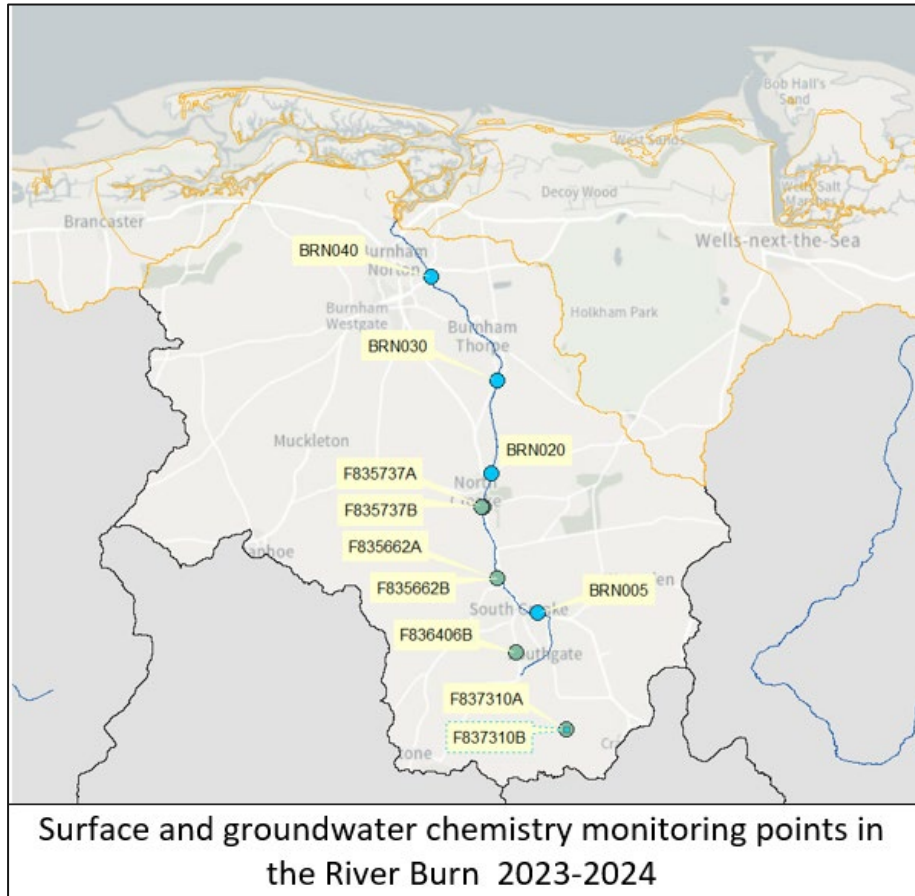
Senior Environment Officer – Norfolk and Suffolk Land and Water team

July 23

What does the EA sample?

- Rivers
- Groundwaters
- Designated bathing waters
- Larger private consented discharges
- Waste water treatment works audited

Water quality, fish and invertebrate monitoring locations in the River Burn 2023-2024



Fish survey monitoring locations in the river Burn catchment



Invertebrate monitoring locations in the river Burn catchment

2019 Water Framework Directive classification of River Burn, Stiffkey and Glaven water bodies



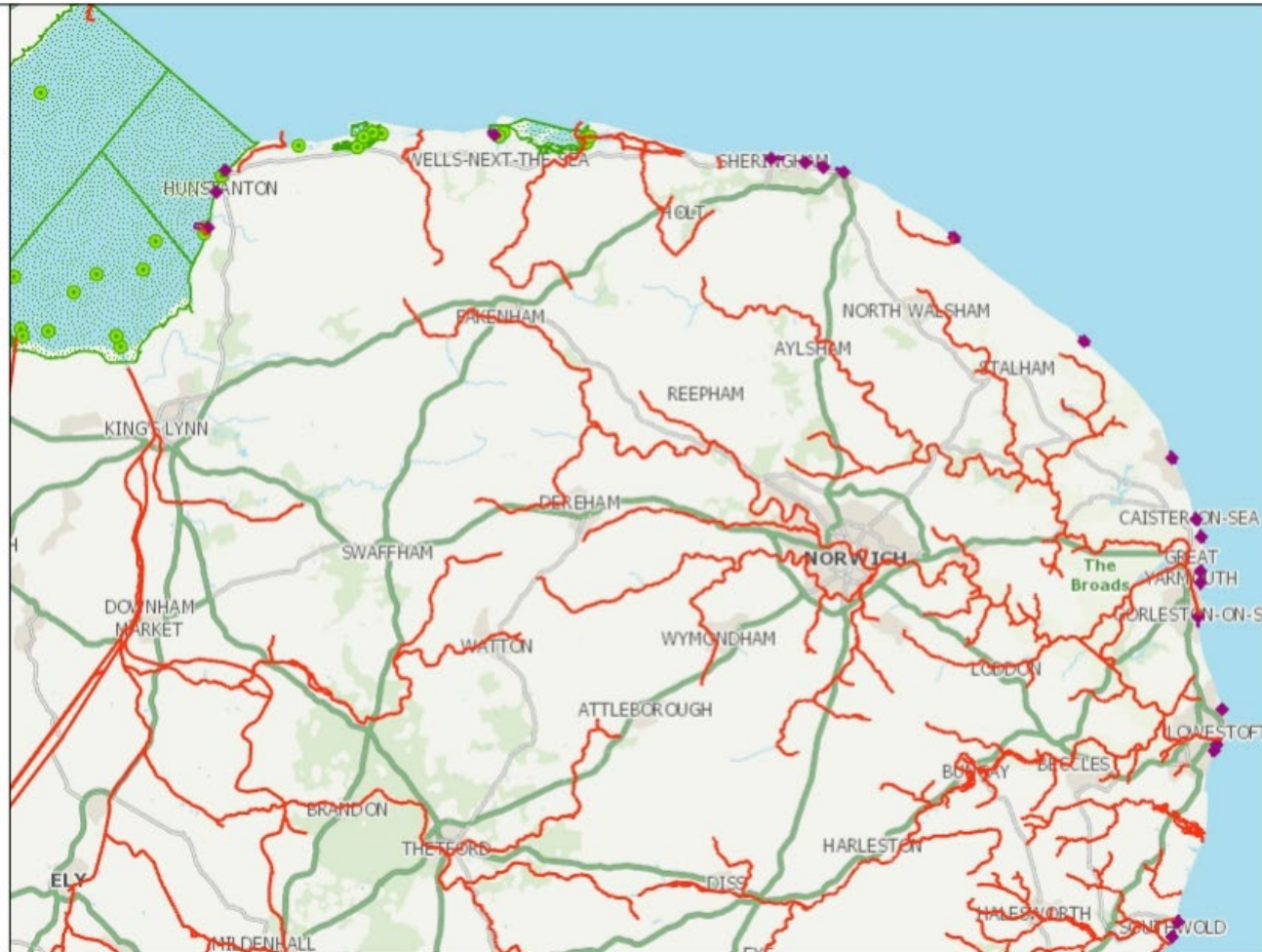
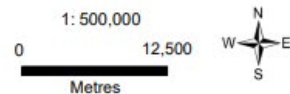
	River Burn GB105034055750	River Stiffkey GB105034055840	Binham tributary GB105034055830	River Glaven GB105034055780	Gunthorpe Stream GB105034055770
Waterbody overall ecological status	Moderate	Moderate	Bad	Moderate	Moderate
Biological quality elements - overall status	Moderate	Good	Bad	Moderate	Moderate
Fish	Moderate	Good	Bad	Good	Moderate
Invertebrates	High	High	High	High	High
Macrophytes	Good	Moderate	Moderate	Moderate	Moderate
Phytobenthos (diatoms)	-	High	-	-	-
Physico-chemical quality elements - overall status	Moderate	Moderate	Moderate	High	High
Ammonia	High	High	High	High	High
Dissolved oxygen	Good	Good	High	High	High
Phosphate	Moderate	Moderate	Moderate	High	High
Temperature	High	High	Good	High	High
pH	High	High	High	High	High

More information available at: [North Norfolk Operational Catchment | Catchment Data Explorer](#)

Shellfisheries and Bathing waters

Legend

- Statutory Main Rivers
- ◆ Bathing Water Compliance
- ▨ Bathing Water areas
- Shellfish Water monitoring points
- ▨ Shellfish Water areas



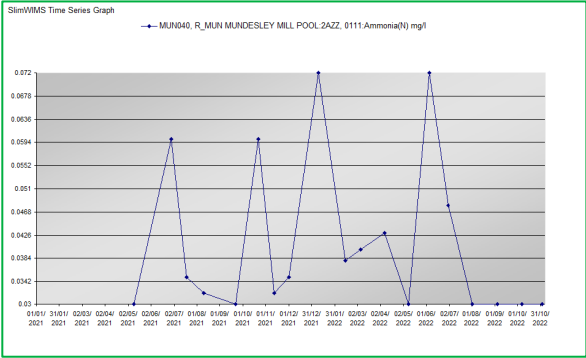
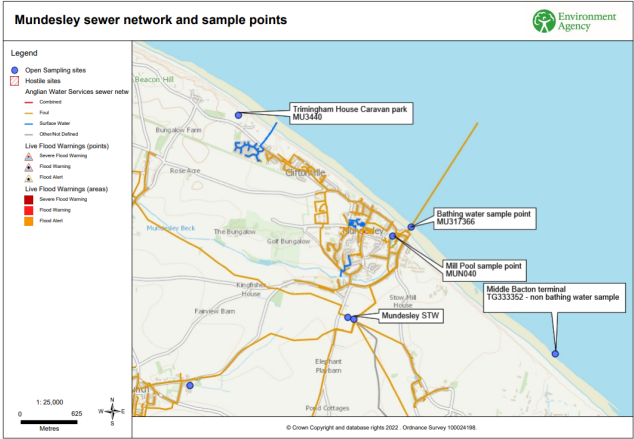
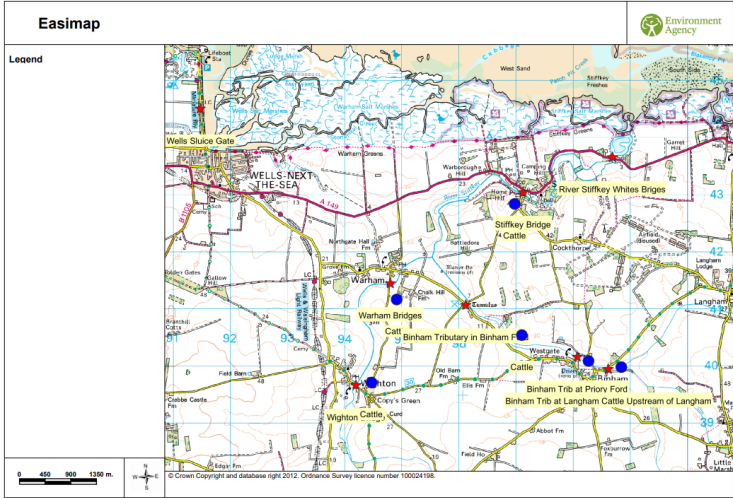
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Bathing waters



Bathing Water	2022	2021	2019	2018
Wells	Good	Sufficient	Sufficient	Sufficient
Sheringham	Excellent	Excellent	Excellent	Excellent
West Runton	Excellent	Excellent	Excellent	Excellent
East Runton	Good	Excellent	Excellent	Excellent
Cromer	Excellent	Excellent	Excellent	Excellent
Mundesley	Good	Excellent	Excellent	Excellent
Sea Palling	Good	Excellent	Excellent	Excellent
Old Hunstanton	Sufficient	Good	Good	Good
Hunstanton Main	Sufficient	Sufficient	Sufficient	Sufficient
Heacham	Poor	Poor	Sufficient	Sufficient

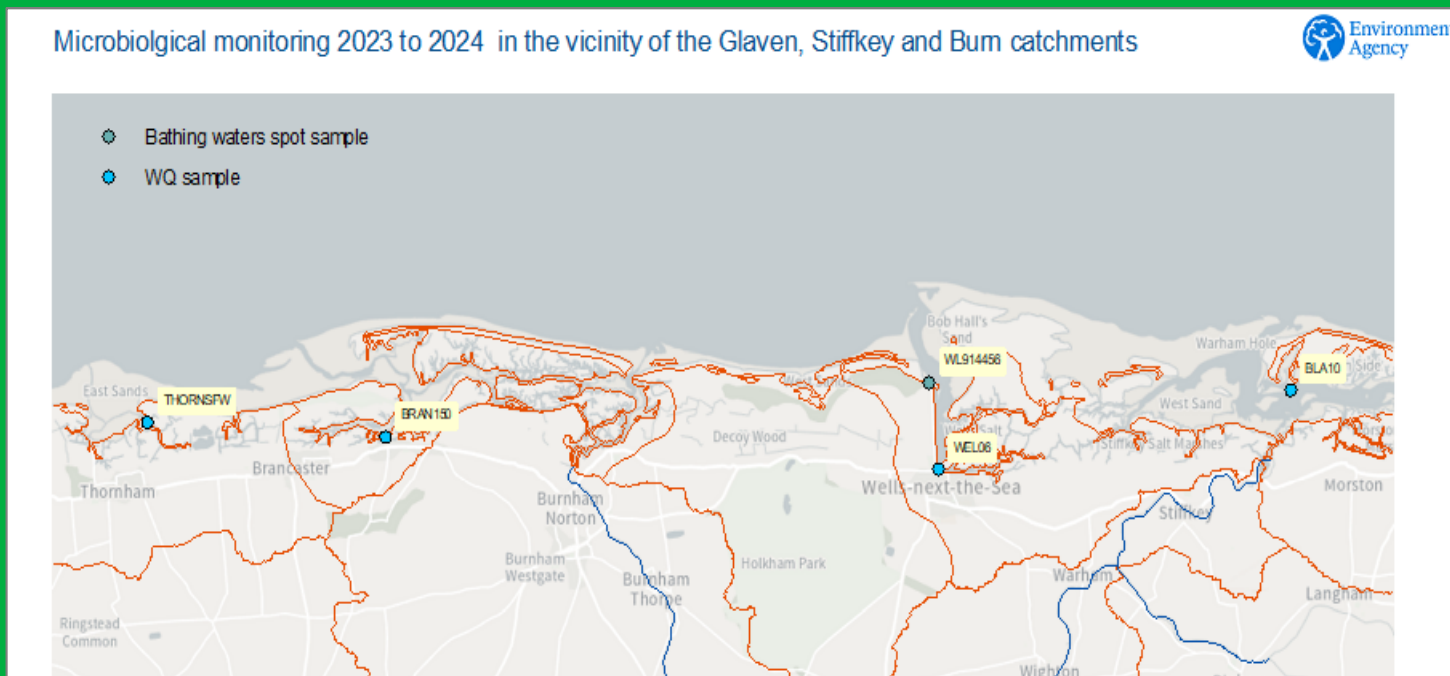
Bathing water investigations – Wells, Heacham, Hunstanton (2018-), Mundesley, Sea Palling and East Runton (2022-)



Shellfisheries

- CEFAS monitor shellfish flesh
- EA action plan for each shellfishery
- Sanitary surveys by the Food Standards Authority (Blakeney + The Wash in 2021 and Norton Creek currently being reviewed)

Environment Agency microbiological monitoring in the vicinity of the Glaven, Stiffkey and Burn catchments April 2023 to March 2024



SiteCode	Site name	NGR	Easting	Northing	Activity	Analysis summary	Programme name
WL914456	WELLS BEACH OPP COASTGUARD LOOKOUT 10000	TF9140045600	591400	345600	Bathing waters spot sample	E.coli and Intestinal enterococci	Bathing Water Directive Classification
BLA10	BLAKENEY HARBOUR SIMPOOL HEAD BUOY 9	TF9945045450	599450	345450	WQ sample	E.coli and Intestinal enterococci	Deterioration risk at EAN Shellfish Waters
BRAN150	BRANCASTER STAITHE SEAWATER	TF7930044500	579300	344500	WQ sample	E.coli and Intestinal enterococci	Deterioration risk at EAN Shellfish Waters
THORNSFW	THORNHAM HARBOUR SFW-MAIN EAST CHANNEL	TF7400044800	574000	344800	WQ sample	E.coli and Intestinal enterococci	Deterioration risk at EAN Shellfish Waters
WEL06	WELLS HARBOUR AT THE POST OFFICE CORNER	TF9161043850	591610	343850	WQ sample	E.coli and Intestinal enterococci	Deterioration risk at EAN Shellfish Waters

Regulation:- AWS waste water treatment works

Installation dates for UV treatment to kill bacteria

- Wells- 03/07/98
- Heacham- 18/12/98
- Cley- 31/03/02
- Burnham Market- 31/03/13

AWS Funded Improvements (PR24)

- 17 sites due to reduce spills on N. Norfolk coast
- £8 - 10.5 billion due to be invested over 5 years across AWS region.

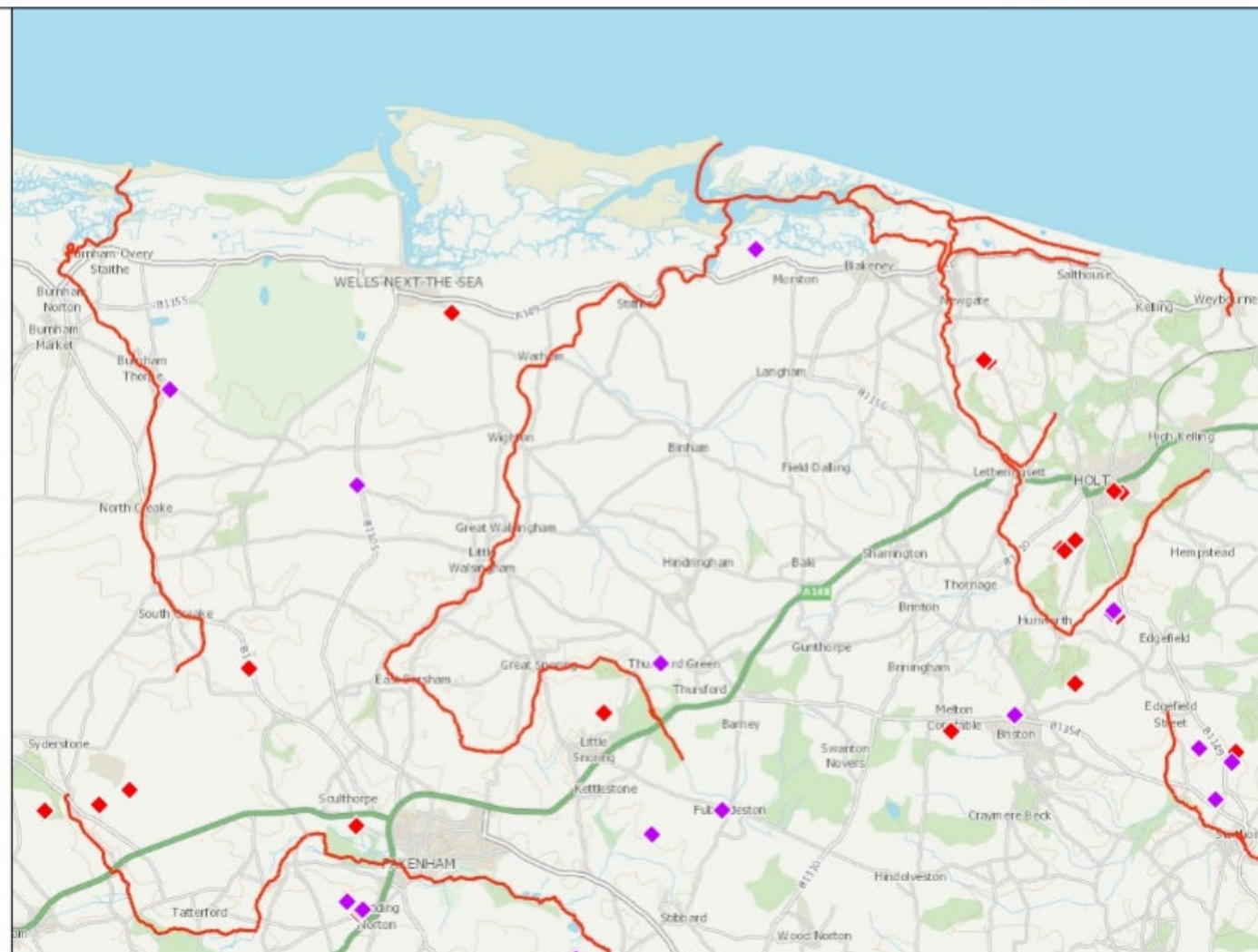
**EA full auditing of works
(normally once every 8 years)**

Burnham Market	2015
Warham	2016
Edgefield	2017
East Barsham	2018
Gt. Walsingham	2018
Baconsthorpe	2019
Cley	2019
Wells	2019
Stiffkey	2019
Lt Snoring	2020
Langham	2022
Holt	2022

Waste sites and Pollution Prevention and Control sites

Legend

- ◆ Active IPPC authorisations
- ◆ Waste Management Licences
- Statutory Main Rivers



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Farm visits – compliance with env. legislation

In North Norfolk area

- 12 completed in 2022 (particularly Binham Trib)
- 18 so far in 2023 with at least 8 more planned



0800 807060



What data is available online?

Water Quality Archive. Explore and download water quality data	http://environment.data.gov.uk/water-quality/view/explore
Ecology & Fish Data Explorer: Explore and download information about TraC (Transitional & Coastal water) datasets and Ecology & Fish datasets.	https://environment.data.gov.uk/ecology/explorer/
Catchment Planning System: Explore and download information about the water environment in your area and access river basin management plans.	https://environment.data.gov.uk/catchment-planning/
Hydrology Data Explorer gives access to data from over 7,000 of our open hydrometric sites (rainfall, rivers, and groundwater).	Hydrology Data Explorer
Bathing Water Quality explorer 'Swimfo'. Allows you to look up details of a designated bathing water by name or location.	https://environment.data.gov.uk/bwq/profiles/

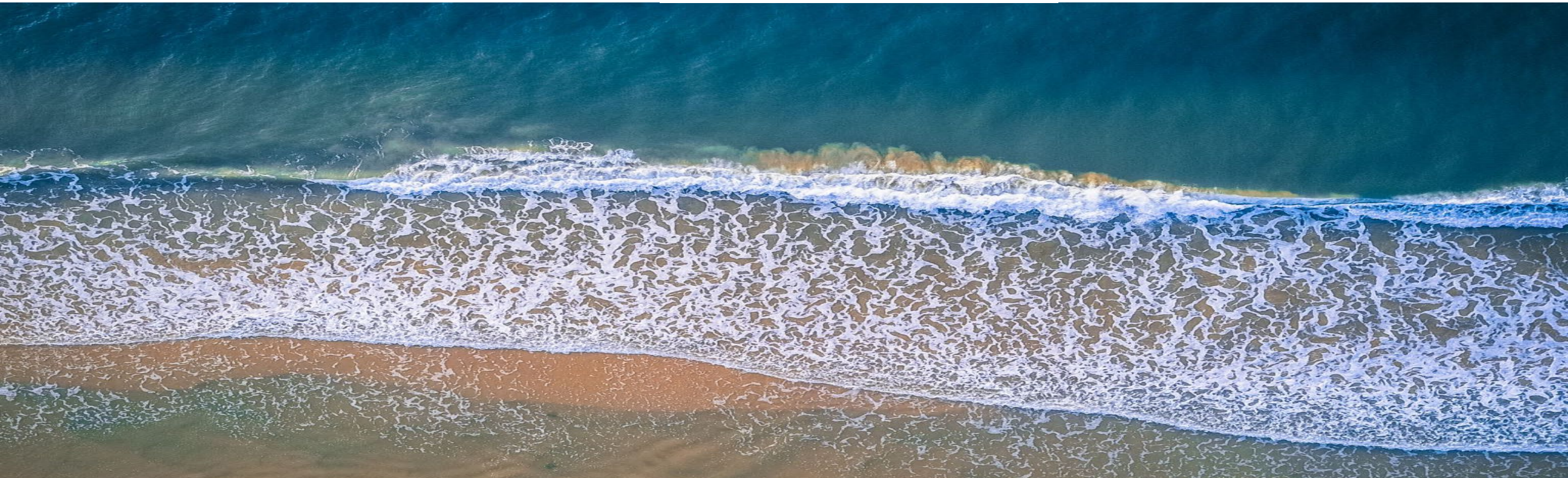


East Anglia Coastal Group Update
Karen Thomas, Coastal Partnership East

East Anglian Coastal Group

July Highlights

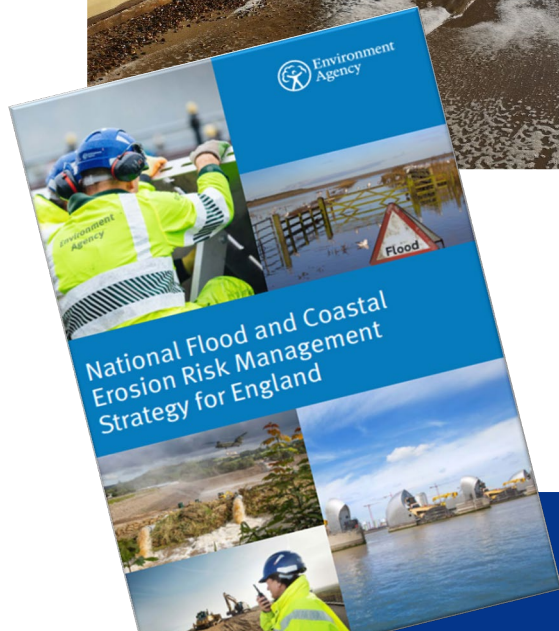
Karen Thomas Chair
Head of Coastal Partnership East



East Anglian Coastal Group Highlights

- Influencing national discussions on challenges to delivering the national capital programme and MMO consents
- SMPR delivery including engagement support for SMP leads on track for all our SMP's- new SMP Explorer platform
- Progressing and preparing for NCERM2 due out Dec/Jan 23/24
- Coastal Adaptation SPD has been to planning committees and cabinets of the four authorities involved (NNDC, Broads Authority, GYBC and ESC)
- Working with CGN and LGA Coastal Special Interest Group to create work plans for 2023/24
- Delivering 4 of 27 national FCIP projects in Anglian (Reclaim the Rain, Catchment to Coast, Resilient Coast and Coastwise)
- Coastal Climate Conversations Workshop - 21 July 2023- Southend
- Coast and Estuaries Conference 12 th October

- **Next EACG officers meeting Aug 11th Lowestoft visit**
- **RSPB Presentation – Unesco World Heritage proposal - East Atlantic Flywav**



LGA COASTAL SIG

National Coastal Highlights

- **LGA Coastal SIG and Working Groups**

- Continued calls for a dedicated Coastal Minister
- Working Group planning to engage with infrastructure providers over resilience and investment in 2023/24
- Awaiting the Regenerating Seaside Towns Review and Climate Change Committee Review - Working group to consider recommendations and see what we can progress/champion
- Moving Minds workshop at National Flood and Coast conference held in early June
- Coastal Protection Act survey available now
- Adaptation working group 2023/24 action plan drafted
- Preparing for All Party Parliamentary Group meetings later this year on coastal issues
- Attended Climate Change Committee workshop on behalf of SIG ahead on the development of the National Adaptation Plan- raised profile of Coast

- **Next quarterly SIG meeting – open to coastal officers and Members September 14th**

- **Coastal Group Network**

- Refresh of the group to align with delivery of EA national strategy and key priorities for coastal local authorities
- Working with EA to deliver SMPR and NCERM2 rollout 2023
- Capital programme discussions to facilitate delivery of major schemes- inflation and economic challenges
- 23/24 business plan under review with final plan completion planned for July- key themes to include capital programme delivery, landfill, adaptation and skills and resources.



Norfolk Coast Round-Up

Norfolk Strategic Flood Alliance – Mtg with Chair

Anglian RTPI session 6th July sharing coastal management and adaptation solutions with Planners and wider members.

Survey- Broadland Futures Initiative Toolkit of Actions to reduce flood risk – 14th July

Round Table for Infrastructure providers being planned for October with RFCC and EA nationally (through Resilient Coasts)

CPE

New CPE Board- NNDC Cllr Blathwayt and Cllr Callum Ringer and GYBC Cllr James Bensley and Cllr Paul Wells

Cromer and Mundesley Scheme ready to commence

Resilient Coast Project pilots and technical work underway and **Coastwise Project** (was CTAP) now recruiting for key project roles

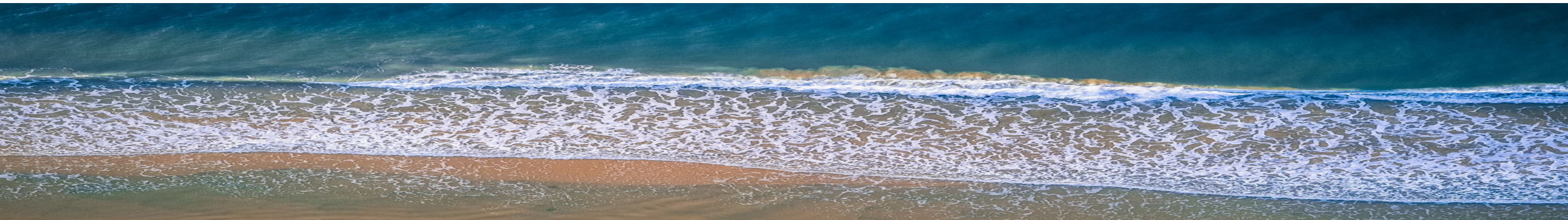
Work commencing on new **GIS-based spatial plan** ahead of the **NCERM**

Repairs and maintenance works completed to time and budget

Coastal monitoring – new technologies including drones, radar AR and VR- Planning for next Anglian Monitoring programme business case

Reviewing **sediment erosion and sediment transport** across Norfolk and Suffolk Coast

Winter planning for **storms and surges** planned for august





Coastal Manager Introduction
Charles Krolik-Root, Coastal Partnership East

GYBC R&M Update

- HEMSBY
 - Removal of metal spikes and debris from beach





GYBC R&M Update

- CAISTER
 - Replacement and additional signage at Caister zigzag groynes to warn people of sharps protruding from beach that are tidally submerged



GYBC R&M Update

- CAISTER
 - Replacement and additional signage at Caister zigzag groynes to warn people of sharps protruding from beach that are tidally submerged



GYBC R&M Update

- CAISTER
 - Replacement and additional signage at Caister zigzag groynes to warn people of sharps protruding from beach that are tidally submerged





Repairs and Maintenance Update
Brian Farrow, North Norfolk District Council

Comment

With the exception of slide 1, many of the the following slides are used here to demonstrate why we talk about sea **defence** & sea **defences**.

The materials we use have to withstand the daily grind of hard fine sediments carried by the currents & waves, emanating from any direction, as well as the extreme forces generated in storm conditions.

We have to use best quality materials for our concrete mixes. We use sustainable timbers which can be used in sea water; are durable, resilient and will withstand attack by borers and will not rot.

We use high yield or stainless steel for reinforcement and galvanised steel nuts, bolts & washers in all new works.

Wells – Tug-Boat Yard

Historic Agreement ~ Repairs to Quay Heading.
Replacing deteriorated engineering bricks and
building in a movement joint & covering a
concrete deck movement fracture.

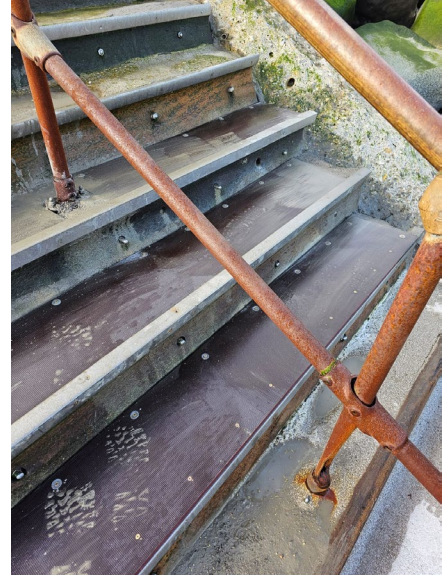




Slide showing extreme wear on access steps in Sheringham built in 1988.

The steps were adapted several years ago to add a replaceable 100mm thick hardwood face topped with a stainless steel angle lip

This slide shows extreme wear on access steps in Sheringham and a Concrete seawall in Cromer.





Slide showing a typical failure of the inshore end of spur Groyne 2b east of Cromer Pier.

The failure was caused by the erosion of the beach allowing deeper water and both bigger & reflective waves to destroy the structure.

Repairs underway





'Debris' washed up on beach at Ostend & reclaimed by the owners

This piece of kit is used subsea by 'Next Geosolutions'

(Next Geo) is an international Marine Geoscience and Offshore construction support service provider who operate primarily in the energy sector, with special focus on renewables.

&

No, I do not know how it works or what it does.

Typical Erosive failure of
the toe of the ramp at
Happisburgh



Works to reconstruct the ramp using a long reach excavator and to rearrange the rock toe to provide a more robust defence



Heavy seas at Happisburgh

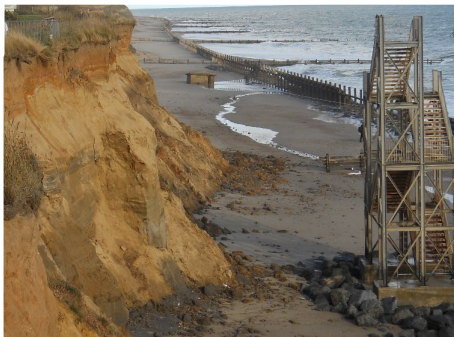
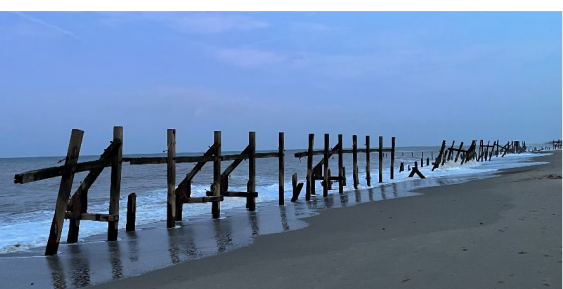




Re-established
ramp access
to beach



Coastwise Update
Rob Goodliffe, Coastwise



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Governance

- Outline Business Case – awaiting Environment Agency final sign off – in the internal processes
- Governance
 - Senior Officer Steering Group
 - Coastwise Programme Board
 - Critical Friends
 - Youth Council – to be developed
 - Community and Sectors – to be developed

Coastal transition in North Norfolk

Happisburgh, 2001



Happisburgh, 2014



Part of the £36 million Coastal Transition Accelerator Programme

Promoting adaptation actions to help communities transition away from the eroding coastline

Will include:

- asset and property rollback
- community infrastructure adaptive solutions
- transitional use of land in coastal erosion zones
- finance and funding mechanisms
- adaptation planning mechanisms
- business and third sector involvement



Alan Lovell – Chair of the Environment Agency

Socialising **COASTWISE** e.g. Flood and Coast 2023

COASTWISE Team

Dr Sophie Day -UEA
Senior Researcher

Coastal Transition
Community
Facilitator

Coastal Transition
Place Maker

Rob Goodliffe -
Coastal Transition
Manager

Coastal Transition
Spatial Planning
and Policy Lead

Kellie Fisher -
Environment Agency
- Senior Advisor

Coastal Transition
Programme
Assistant

Coastal Transition
Finance and
Funding Advisor



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What else?

- New web information under development, including short film
- Updated Environment Agency HQ page
- Information boards – Coastwise with the Eastern RFCC at the Royal Norfolk Show
- Evaluation
 - Developing Monitoring, Evaluation and Learning
 - DEFRA Evaluation



Research and Development

UEA – iPACT –

Four multi disciplinary coastal research projects,

- Microbial sedimentation
- Coastal conversations
- Biophysical sediment stabilisation
- Socio-economics around Bacton and H2

NCC - UEA Health and Social Care Partnership bid -
psychological preparedness for climate change in coastal communities

UKRI Resilient Coast and Seas – National research call – no direct project links but will engage with relevant ones funded

Nottingham University – MSc
Learning from the evolution of coastal governance and management – North Norfolk and National

Kings College London - ESRC Sustainable Places - In defence of place: Unlocking the potential to live well under climate change

NODA – Developing research capacity for health outcomes

UEA – DiSTANS (PhD) - Distributed Strain, Temperature and AcousDc seNsing Suite.-

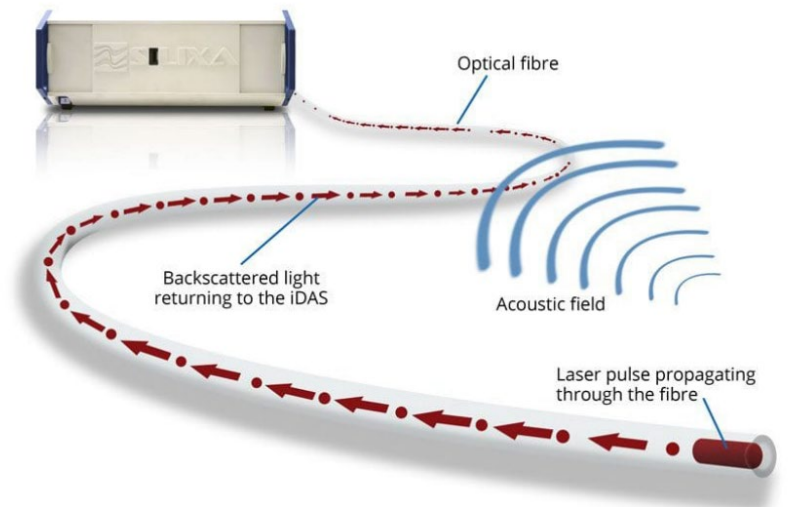


Figure 2: Cartoon of how distributed Sensing works. From silixa.com

What next?

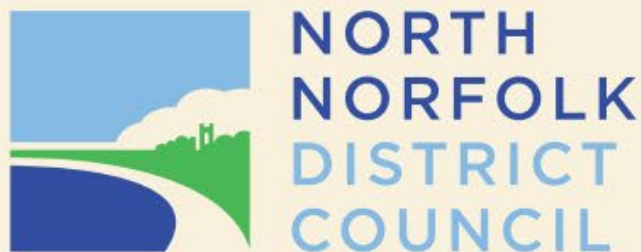


Coastal transition accelerator programme

Part of the £200m
Flood and coastal innovation programmes

- Baseline information gathering
- New NNDC web page for Coastwise information
- September onwards – reaching out, visiting and interacting with locations
- Develop the team..... We want to get on!!!!

Contact us at: Coastwise@north-norfolk.gov.uk



COASTWISE



East Anglian Coast & Estuaries Conference
Sharon Bleese, Coastal Partnership East

East Anglian Coastal Conference Update

- Thursday 12th October at Wherstead Park Ipswich.
- Held in the 'Year of the Coast'
- Delegate numbers already over 150.
- Draft programme in place. Good mix of speakers and workshops.
- Logo in development for comment and approval by each of the coastal Forums.
- Your thoughts needed on Sue Allen Awards and Balfour Beatty Rising Star award.



Format of the conference

- Opening remarks from the Chair of the RFCC and of each Coastal Forum.
- Keynote speaker.
- Additional speakers drawn from a mix of local, national and international knowledge and experience.
- Afternoon workshops – this year covering the four Flood and Coastal Innovation Programme stretching from North Norfolk through to Southend.
- Student workshop for around 50 students from year 11 upwards
- Exhibition area hosting around 35 stands covering projects and services important to our coast.
- Conference funded through sponsorship.
- Live streamed to allow for greater attendance.



Sue Allen Awards Balfour Beatty Rising Star Award

As coastal forum members you are invited to submit nominations for:

Sue Allen Award

1. Coastal practitioner that has made a significant difference to coast and estuary management.
2. Volunteer who has made a significant difference to our coast and estuaries their well-being, environment and management.

Balfour Beatty Rising Star Award

A young person who is making a difference to coast and estuary management.

Cllr Sue Allen worked tirelessly for the good of the Suffolk coast and estuaries for over two decades. She passed away in 2018 and this award is dedicated in her memory.



Balfour Beatty have been the main sponsor for the Suffolk Coast Conference, Norfolk and Suffolk Coast conference and now East Anglian Coast & Estuaries conference for seven years. They have a strong commitment to developing and celebrating the work of young people at the start of their careers.

Balfour Beatty

Year of the Coast Postcard Pledges

“I pledge to consider the impact on the coast, its environment and communities, in the actions and decisions I make”

In this ‘Year of the Coast’ we are supporting the LGG Coastal SIG, National Coastal Tourist Academy, National Association of Local Councils and others to pledge how we’ll make a difference to a changing coast.

