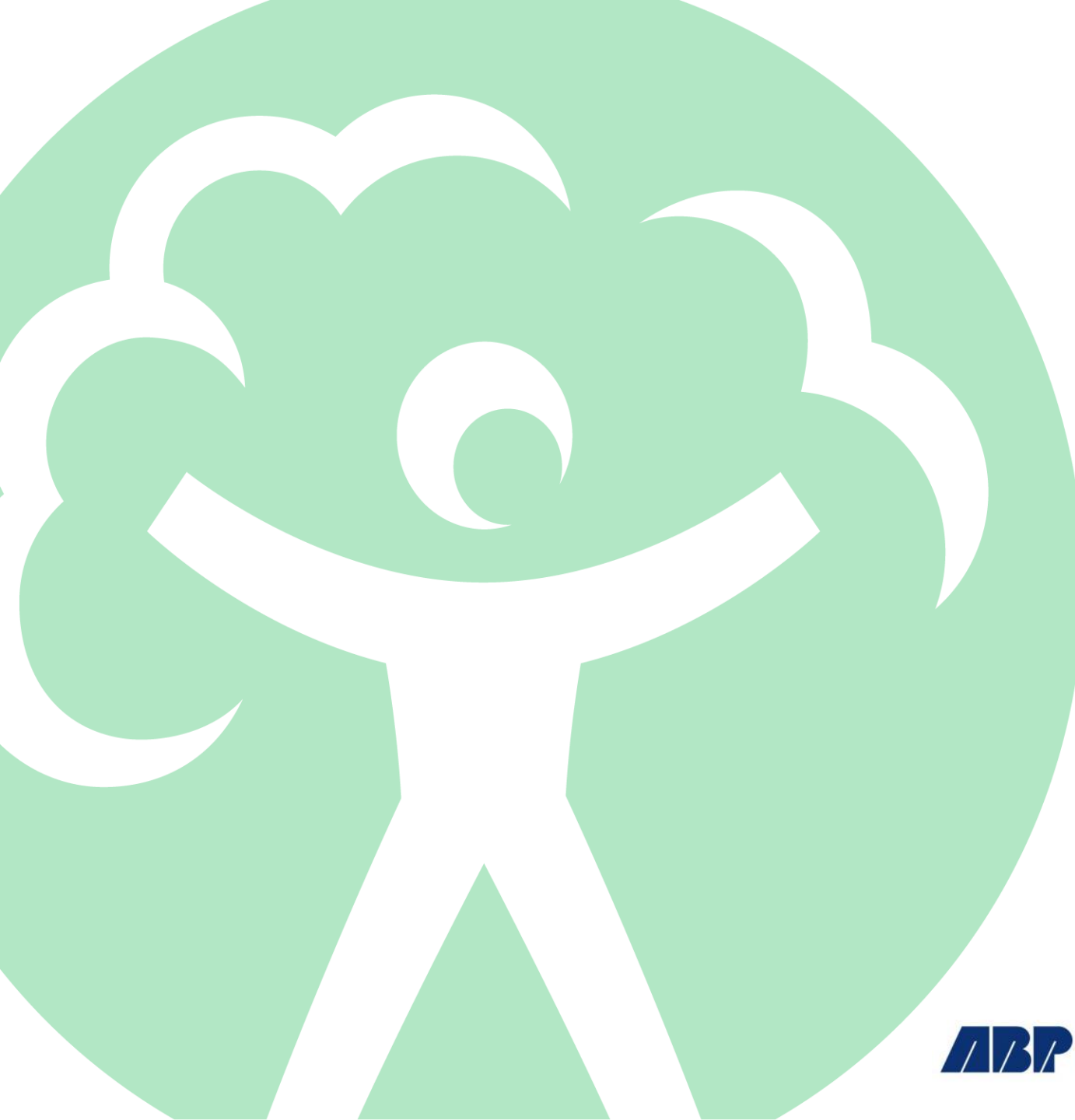




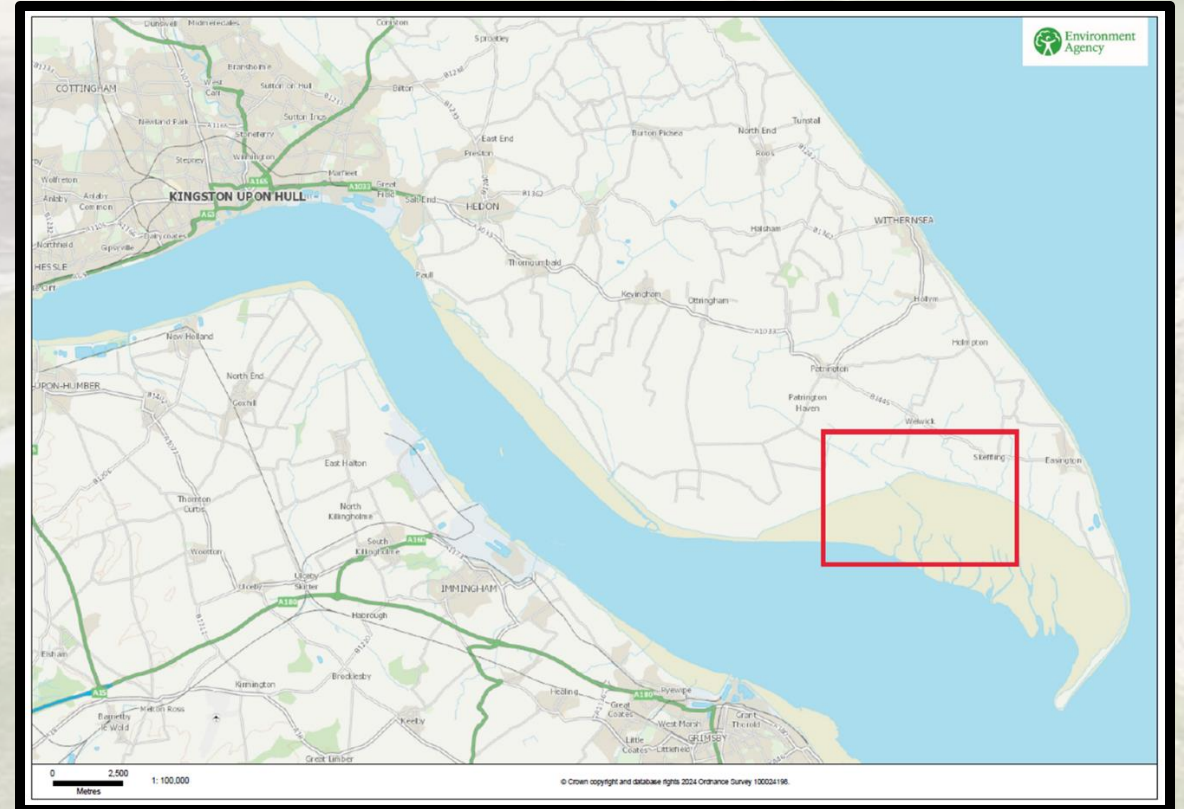
The Outstrays

Helen Todd,
Humber Strategic Manager

November 2025

Outline

- Context & introduction to the Outstrays
- Creating the site
- Outcomes
- Humber 2100+



The Humber



Around 500,000 people



More than 200,000 properties



Around 14,000 businesses



Chemicals & manufacturing industry



UK's largest port complex (by tonnage)



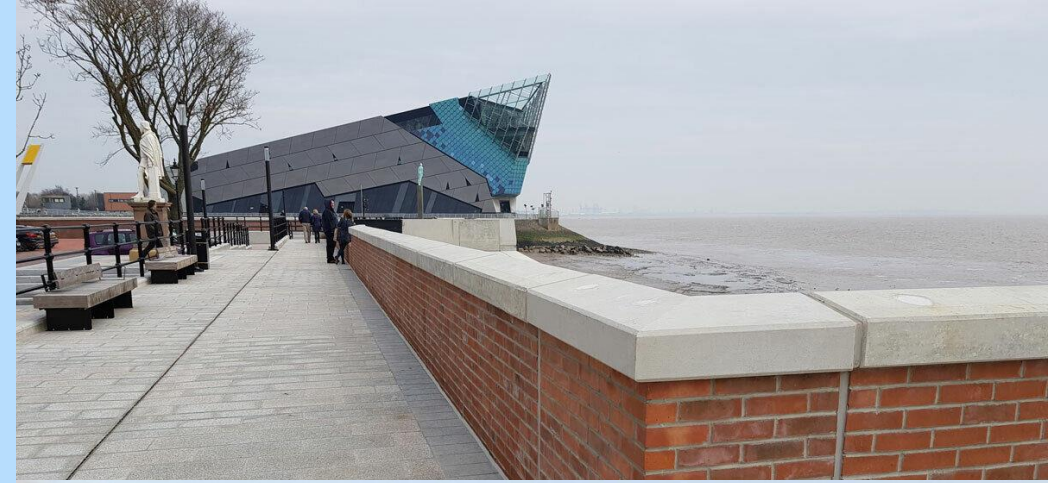
Road, rail and energy infrastructure



+120,000 hectares of agricultural land



Internationally important habitats





Donna Nook

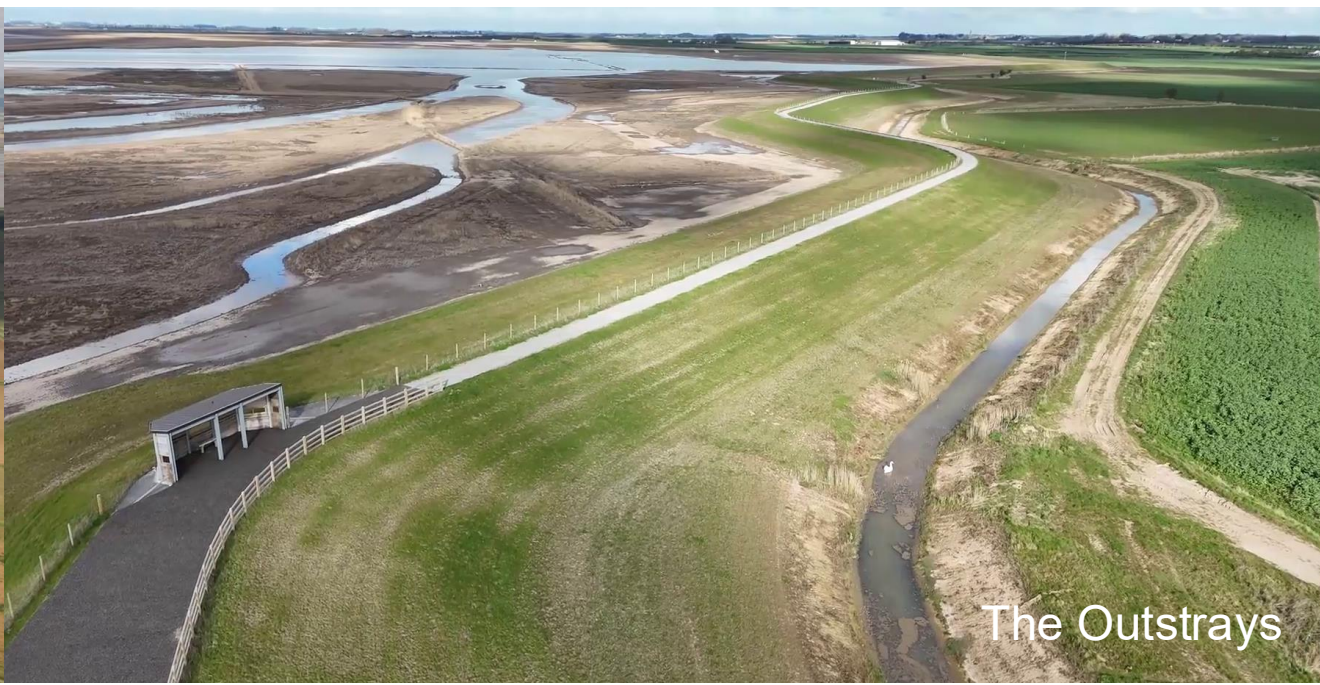


Paull Holme Strays

Managing tidal flood risk



Alkborough Flats



The Outstrays

The Outstrays

The term "outstray" is a name that is unique to the Humber and describes the land that forms naturally beyond an existing protective bank or previously established salt marshes or "strays".

Historic dune

This narrow strip of land was once a beach on the edge of the estuary. The sandy, calcium-rich soils here are home to some unusual plants and animals.

Access through the site is part of the King Charles III England Coast Path

Wet grassland and freshwater ponds

These attract birds, insects and animals that like fresh and brackish water conditions.

Intertidal habitat of mudflats and saltmarsh

Here you might see resident and migratory birds, with numbers and breeds changing, depending on the time of year.

New flood embankment

Key



Car park



Bird hide



Pumping station

500m



Humber Estuary

The Outstrays

To Patrington Haven

Haverfield

Winestead Drain

Sunk Island

Outstray Farm



Winestead Pumping Station

To Hawkins Point

Welwick Saltmarsh

Welwick

Weeton

B1445

Skeffling

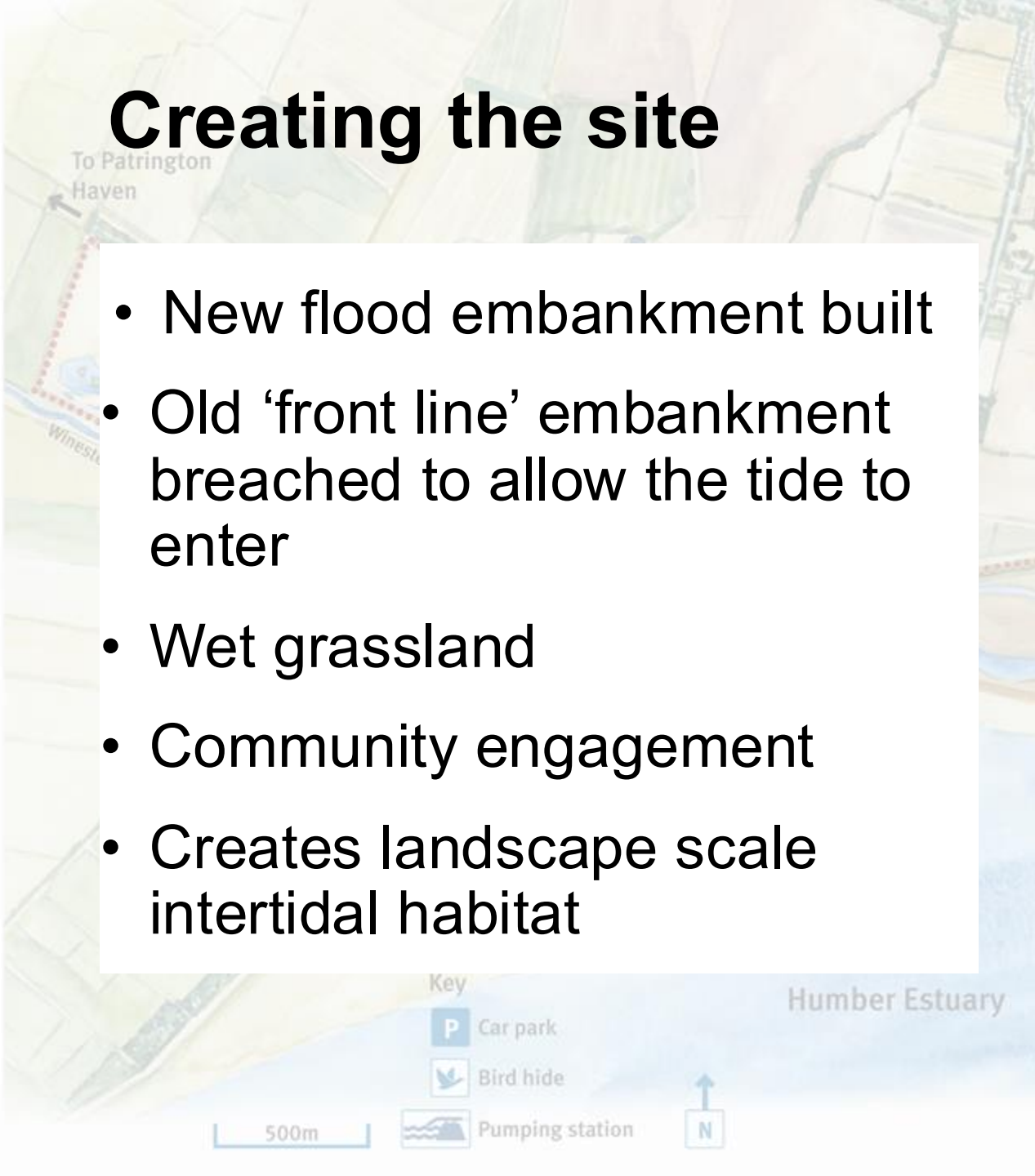
Skeffling Pumping Station

P

To Kilnsea

Creating the site

- New flood embankment built
- Old 'front line' embankment breached to allow the tide to enter
- Wet grassland
- Community engagement
- Creates landscape scale intertidal habitat



Outcomes

- 175 hectares of intertidal saltmarsh and mudflats
- 75 hectares of wet grassland
- 5.5km new flood embankment
- +11,000 trees and hedgerow seedlings



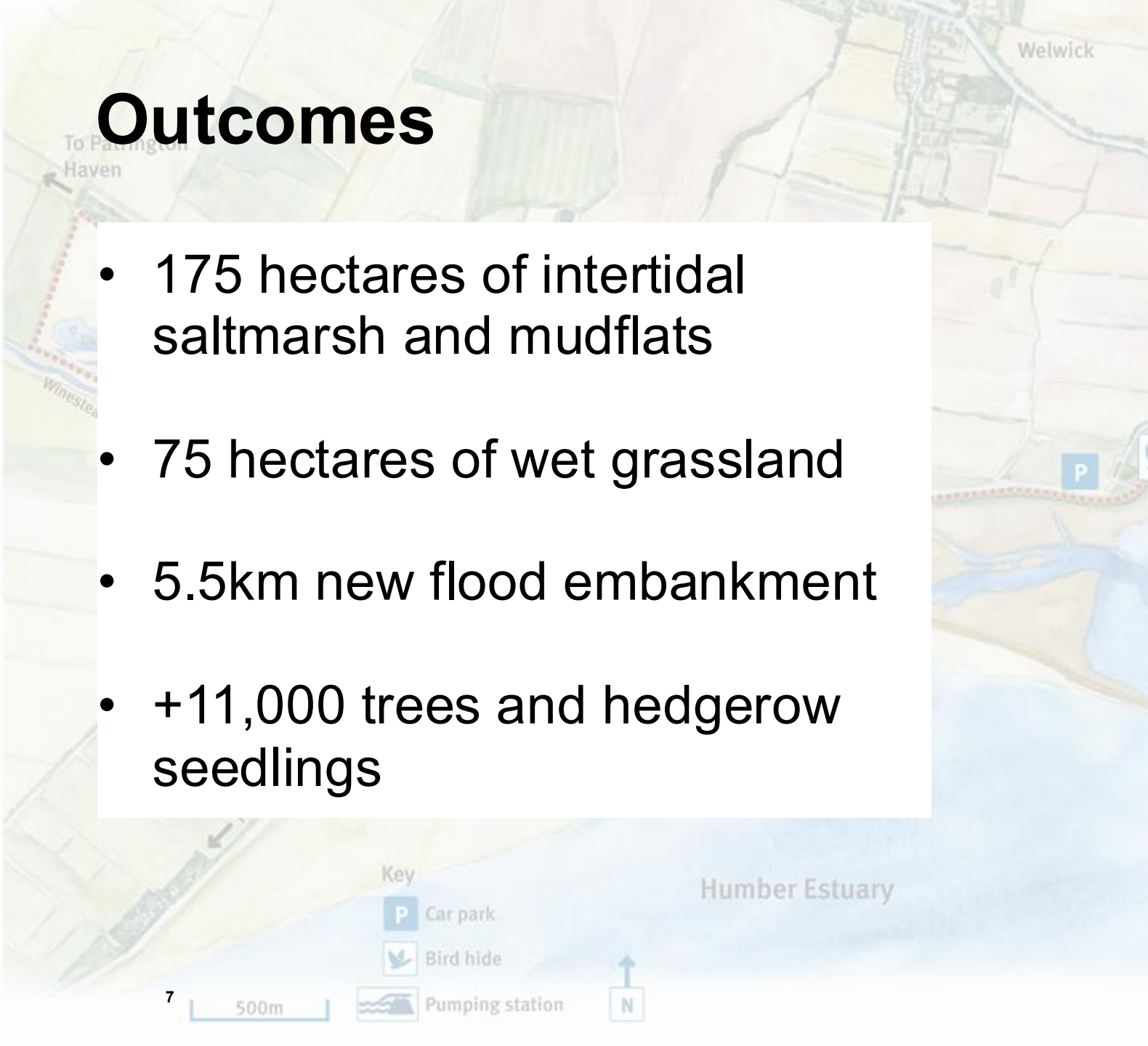
Aerial view over wet grassland habitat



Redshank © PJWilloughby, turnstones and curlew



Photo: Aerial view of the eastern side of the scheme, looking into the estuary and showing the path along the new embankment and (dark) flexipaved sections leading to the car park (right) and a bird hide (straight ahead)



Outcomes (2)



New interpretation boards



One of the new bird hides along the embankment, July 2024



New footpath to bird hide



Hedon Museum

Holderness Histories
a flight through time



A chance to learn about the archaeological work undertaken as part of the Environment Agency's Outstrays to Skeffling Managed Realignment Scheme (OtSMRS), and to see some of the fascinating artefacts uncovered during excavation

Wednesday 1st May to
Saturday 22nd June

Open every
Wednesday and Saturday
10:00am to 4:00pm

**Free
admission**



York
Archaeology

Environment
Agency

Hedon Museum Reg. Charity 700809

ARTS COUNCIL
ENGLAND

HUMBER
MUSEUMS
PARTNERSHIP

ABP
ASSOCIATED
BRITISH PORTS

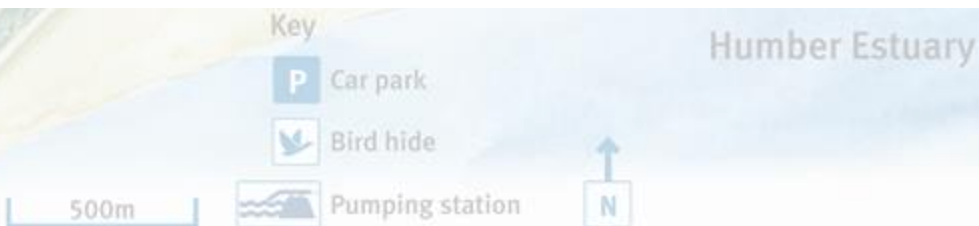
BSA
Bentley



What next?

- Arrangements for site management and monitoring
- Two new pumping stations due to be complete in 2026/27
- A new approach for managing tidal flood risk in the long term...

View of the scheme from the embankment near Skeffling Pumping Station in October 2024, after a high tide





Humber 2100+

Working together to manage tidal flood risk

- The Environment Agency and 11 local authorities from around the Humber will work in partnership to support sustainable development and a prosperous Humber.
- We will do this by redefining the strategic approach to managing tidal flood risk on the Humber for our communities and the region, setting the direction for the next 100 years taking into account predicted sea level rise and climate change.



Our approach

Reach a common understanding and acceptance of the magnitude and consequence of current and future tidal flood risk

So we can...

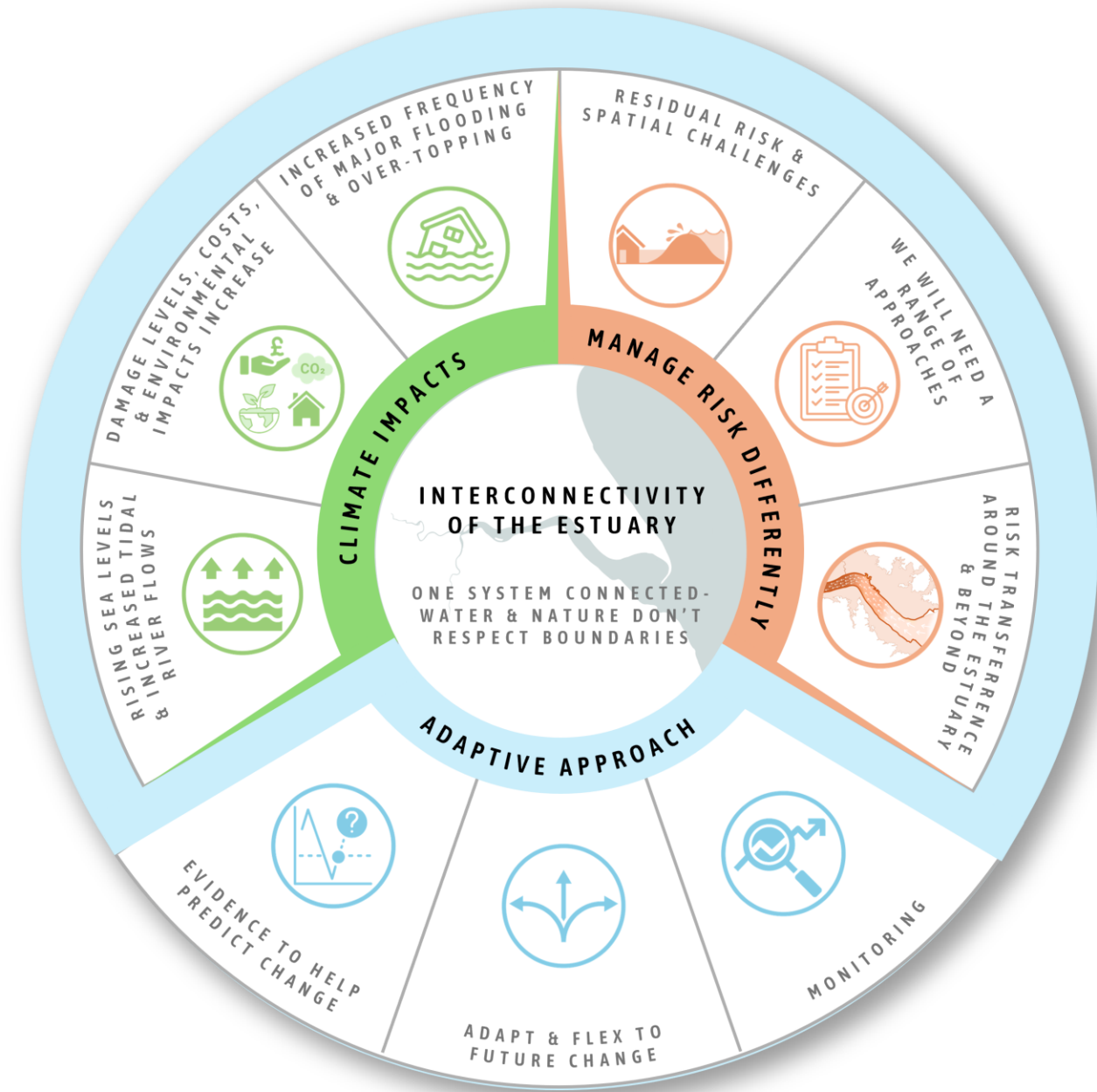
Agree the long-term strategy for managing the impacts of sea level rise and plan for adaptation in partnership



Headlines

- Climate impacts
- Managing risk differently
- Adaptive approach

The evidence shows the estuary is an interconnected system.



Further Information

Humber 2100+



[Humber 2100+ | Engage Environment Agency](#)

The Outstrays



[Spotlights | Humber 2100+ | Engage Environment Agency](#)

