The Moors at Arne Project





Stakeholder Liaison Group

Agenda



1	Introductions		10 mins
2	The Moors at Arne Project	Brief introduction to the project	15 mins
2	Terms of Reference		10 mins
3	Contracting	Clarify role of the Group etc	10 mins
4	Update on the Project and Feedback / discussion	 Flooding Public Access Construction traffic Location of main embankment Siltation 	40 mins
6	Future topics for discussion	Group and project team to suggest topics	10 mins
7	Next steps in the Project		10 mins
8	Date of next meeting		
9	Close		

Introductions

Project Team:

Environment Agency Helen Morgan,

Neil Watson,

Catherine Farrugia,

Kevin House,

Vanessa Dare



RSPB

Dante Munns

Natural England

Ian Alexander

Introduction to the Project

Neil Watson



SMP & Strategy

- Shoreline Management Plan (Policy 2012)
- Poole & Wareham Strategy (2015)
- Poole Harbour Habitat Creation Review



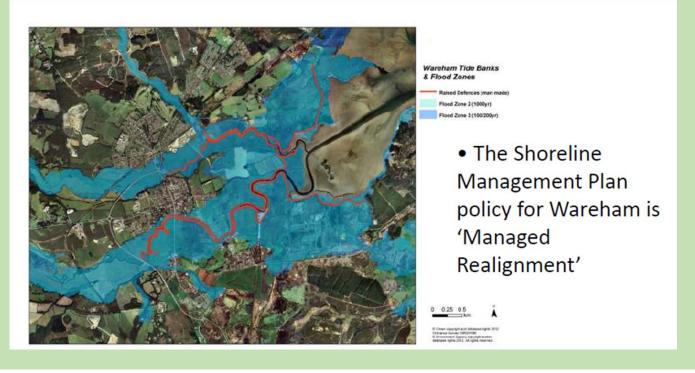


SMP & Strategy

- Shoreline Management Plan (Policy)
- Poole & Wareham Strategy (Detail)
- Poole Harbour Projects



Coastal change and Wareham: The Future



SMP & Strategy

- Shoreline Management Plan (Policy)
- Poole & Wareham Strategy (Detail)
- **Poole Harbour Projects**



Coastal change and Wareham: The Future



The Strategy approach is Managed Realignment / Minimum Maintenance



Habitat Creation Requirements

 Intertidal Habitat Loss Prediction: (cumulative)

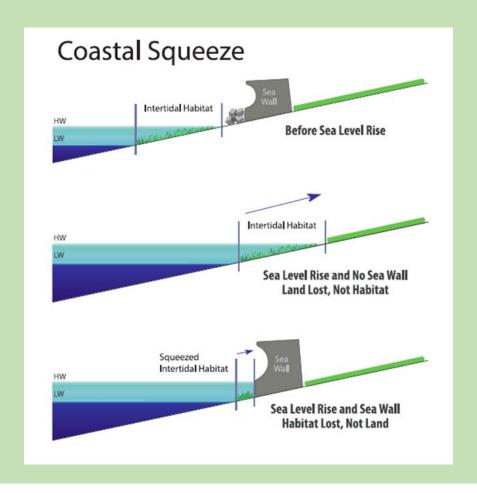
Epoch 1 - 2030 - 44ha

Epoch 2 - 2060 - 87ha

Epoch 3 - 2110 - 313ha

Requirement for Compensatory habitat. IROPI case approved.





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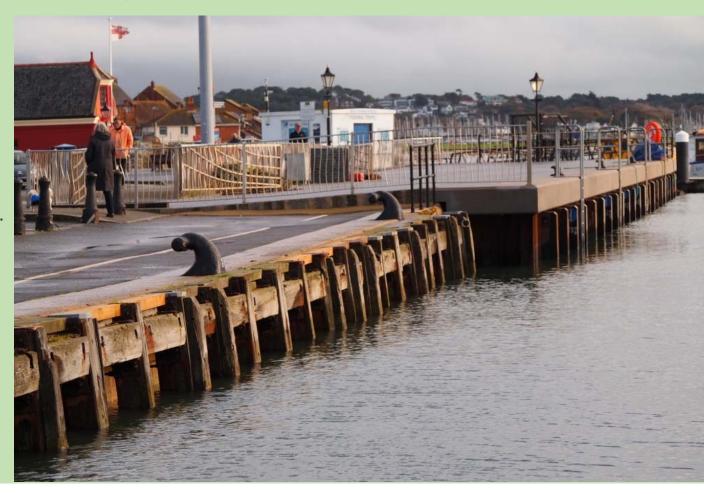
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Habitat Creation Objectives

Working with Natural Processes

Developing a mosaic of Intertidal habitats across the site including:

Saltmash Mudflat Saline Lagoons



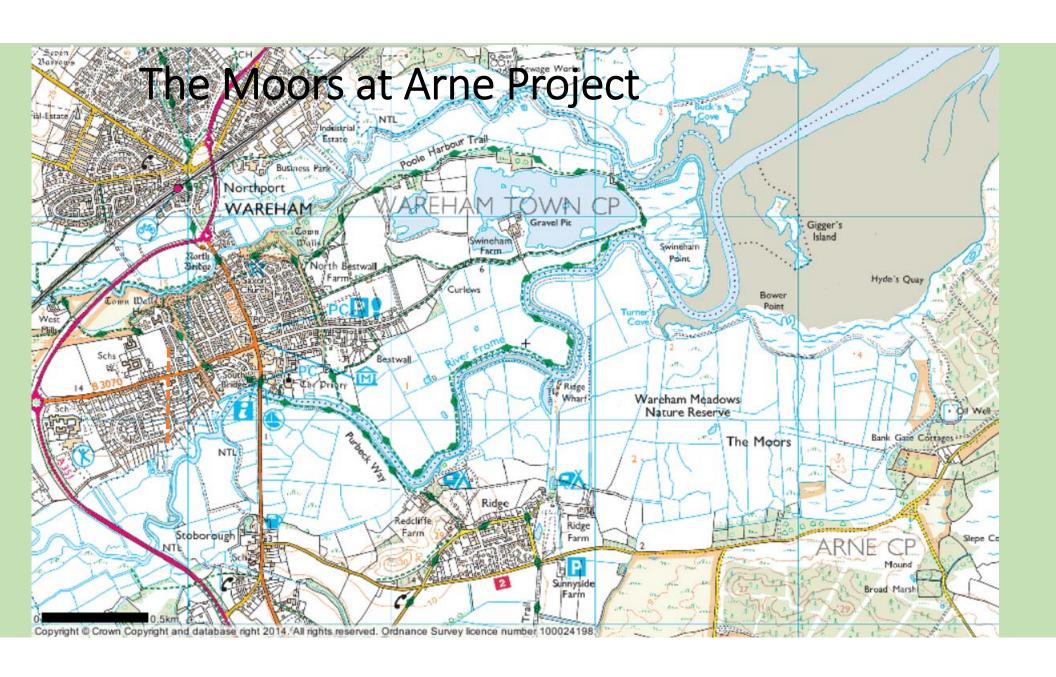




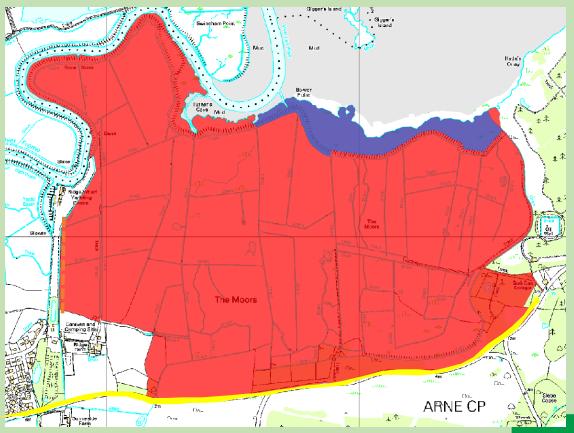
Protecting rare and irreplaceable habitats in situ – Cladium Fen







The Moors at Arne Project



Site Area:

Red = RSPB

Blue = Natural England

Yellow = Arne Road



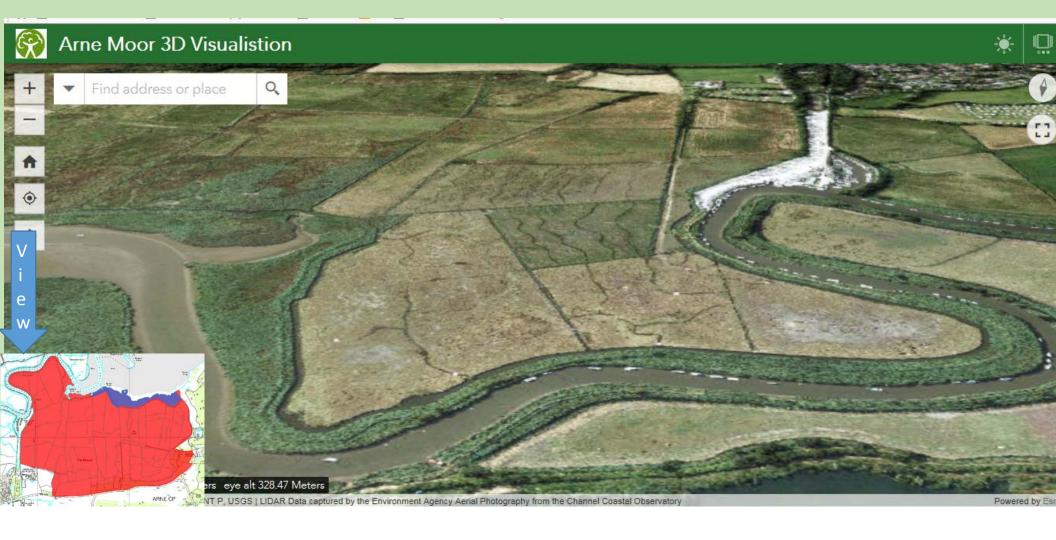


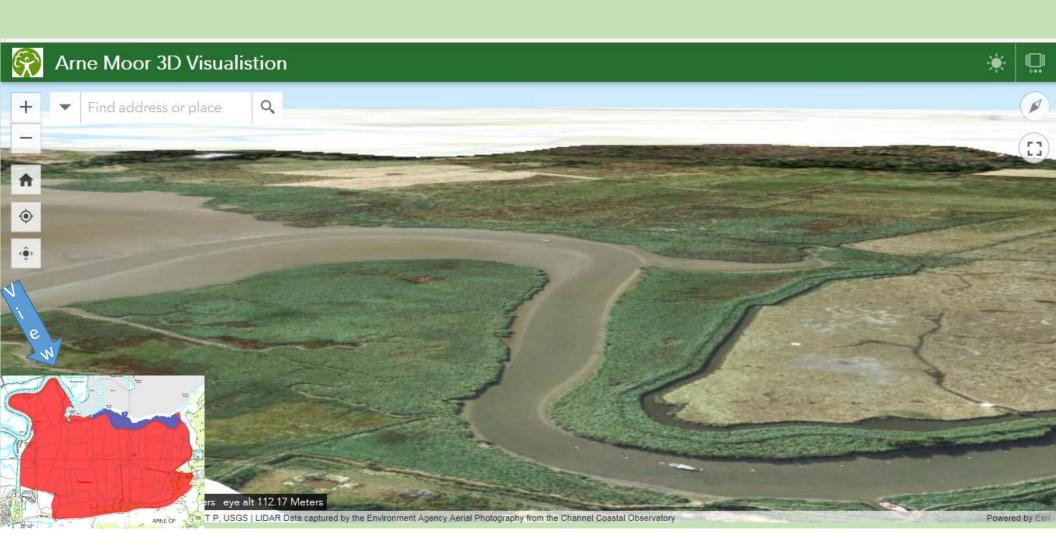
The Moors at Arne Project





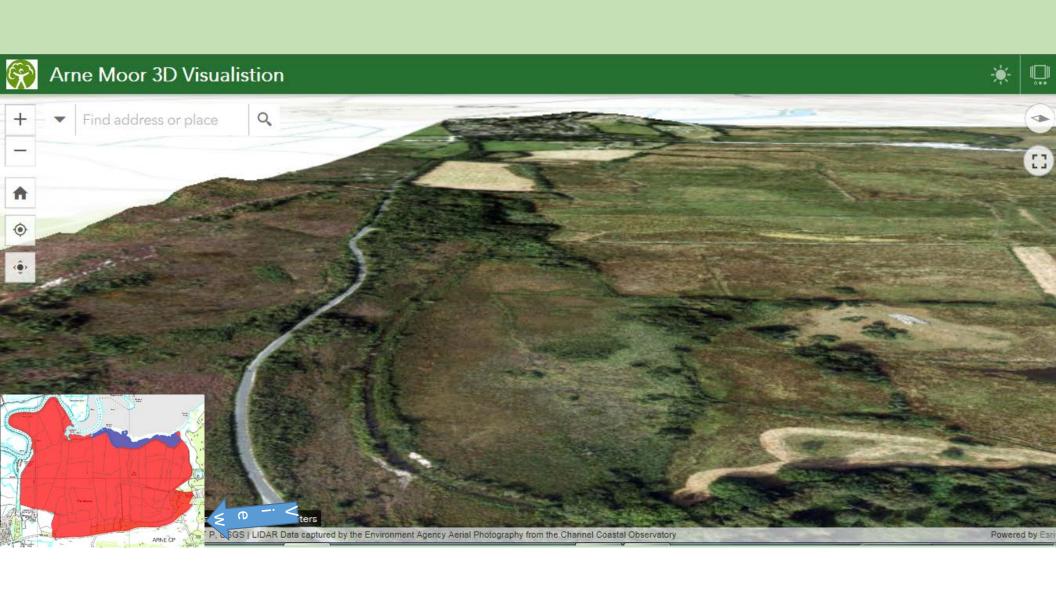
The Moors at Arne

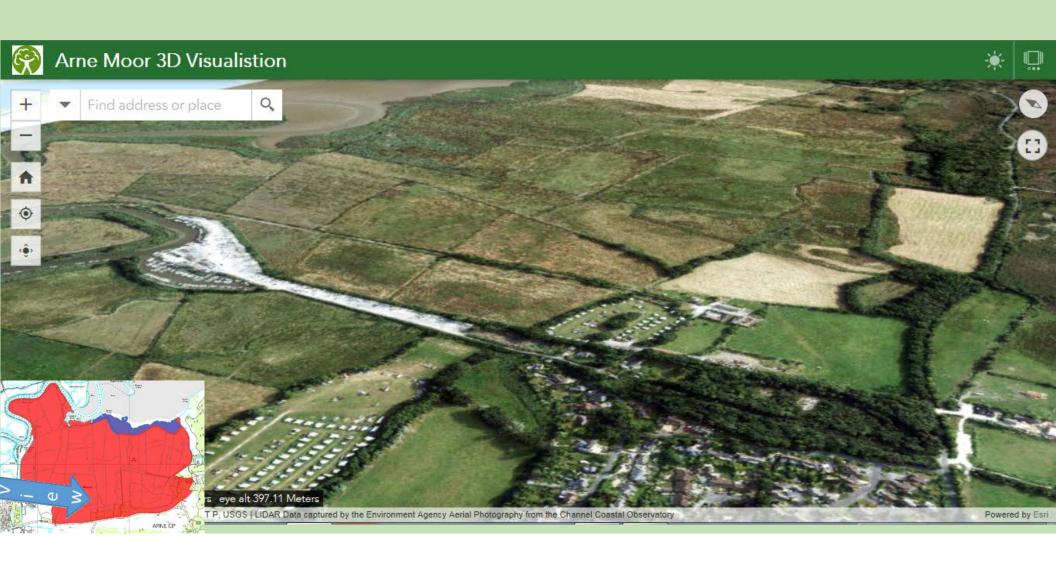




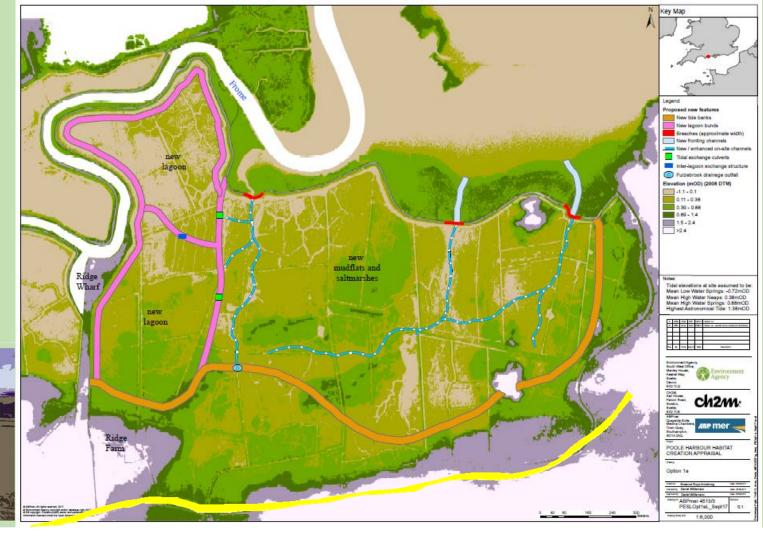


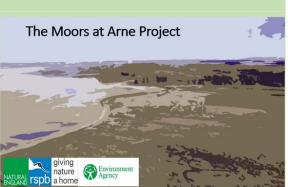




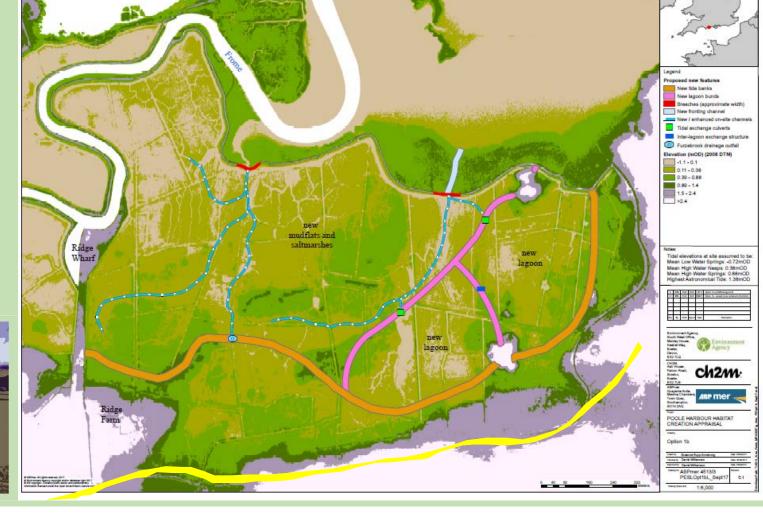


Short Listed Options (1a) – Lagoons in the West





Short Listed Options (1b) – Lagoons in the East





Short List Options (1c) – Eastern Breaches





Engagement with public and stakeholders

- Email:
- Website:
- Clinics:
- Arne Parish Council
- Stakeholder meetings:
- Public Consultation:
- Single point of contact:





Project Appraisal Investigations

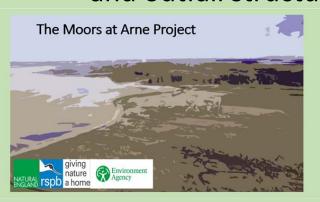
- Fluvial
- Tidal
- Groundwater
- Surface Water
- Ground Investigations





Hydrological Modelling

- Method
- Catchments
- Ridge inputs
- Stream water storage on the Moors
- Impact of proposed embankment and outfall structure



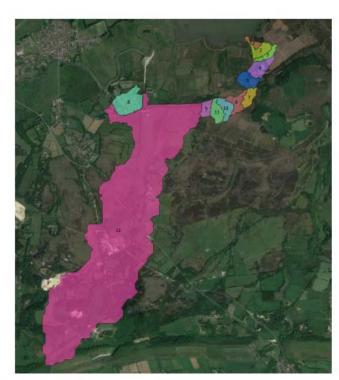
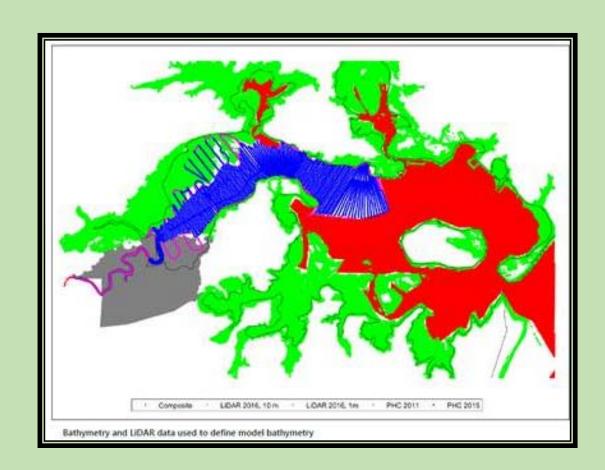


Figure 1 - Location of sub-catchments

Inter-tidal modelling

- Flows
- Salinity
- Sediment movement
- Interaction with R. Frome





Ridge & Arne Moors Groundwater

- Responding
- Monitoring
- Interpretation





Ridge Surface Drainage Investigations

- Responding to concerns
- Survey and results shared
- Impact on project understood
- Liaison with Parish Council





Ground Investigations/ material suitability

- Factual description of survey
- Key findings
- Settlement & Maintenance
- Mixing on site
- Importation







Project timeline

Consultation results

Outline Programme - Draft



Terms of Reference



Contracting

- Clarify role of the Group
- Behaviours



Updates

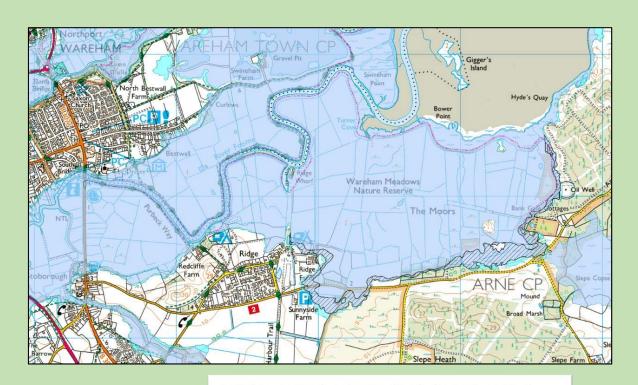


- 1. Flooding
- 2. Public Access
- 3. Construction Traffic
- 4. Location of main embankment
- 5. Siltation

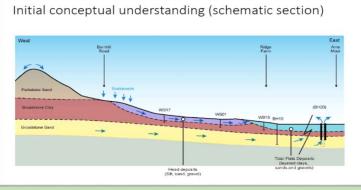
Update: Flooding

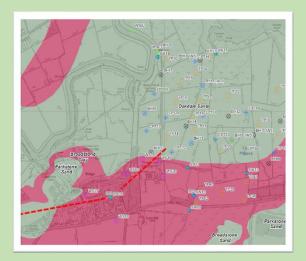
- Tidal
- Surface water
- Ground water

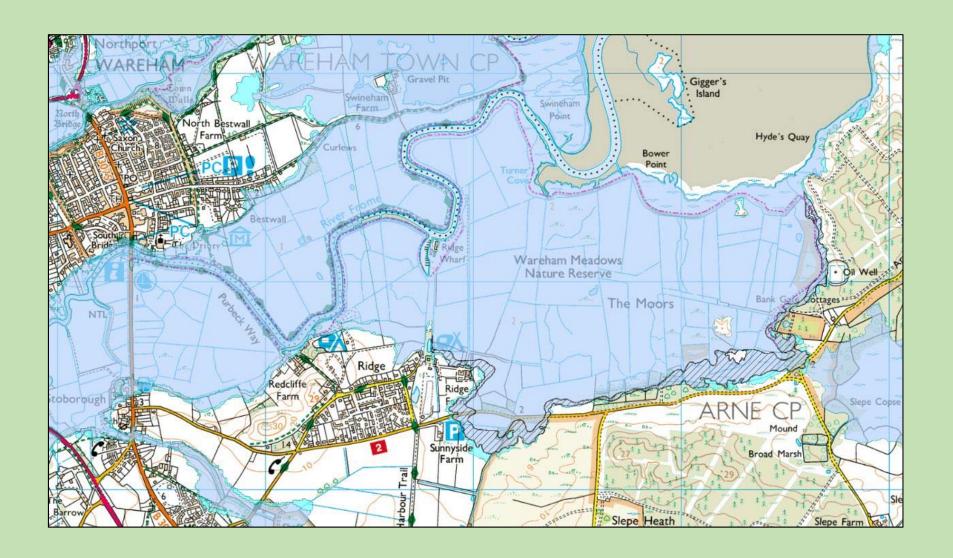




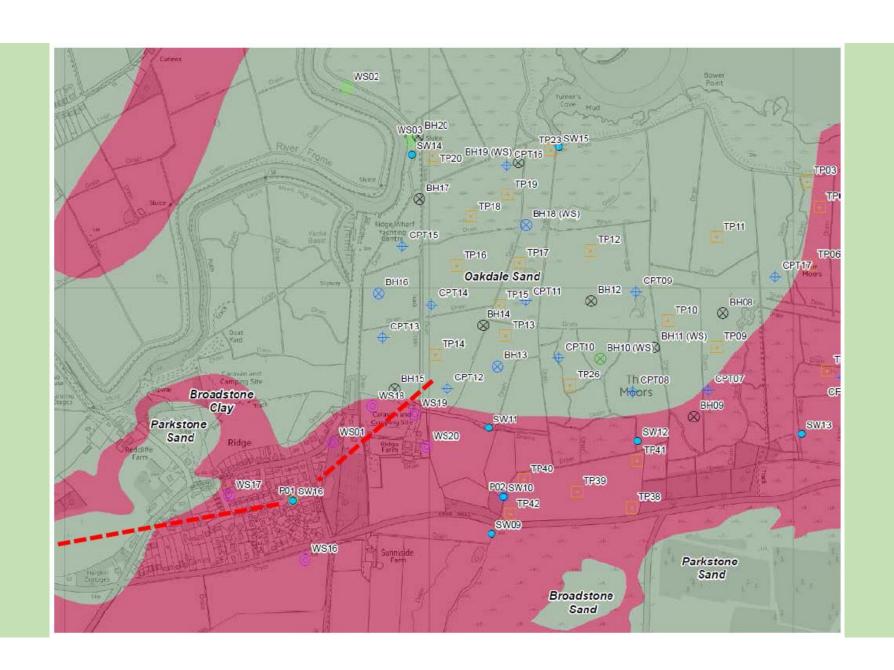


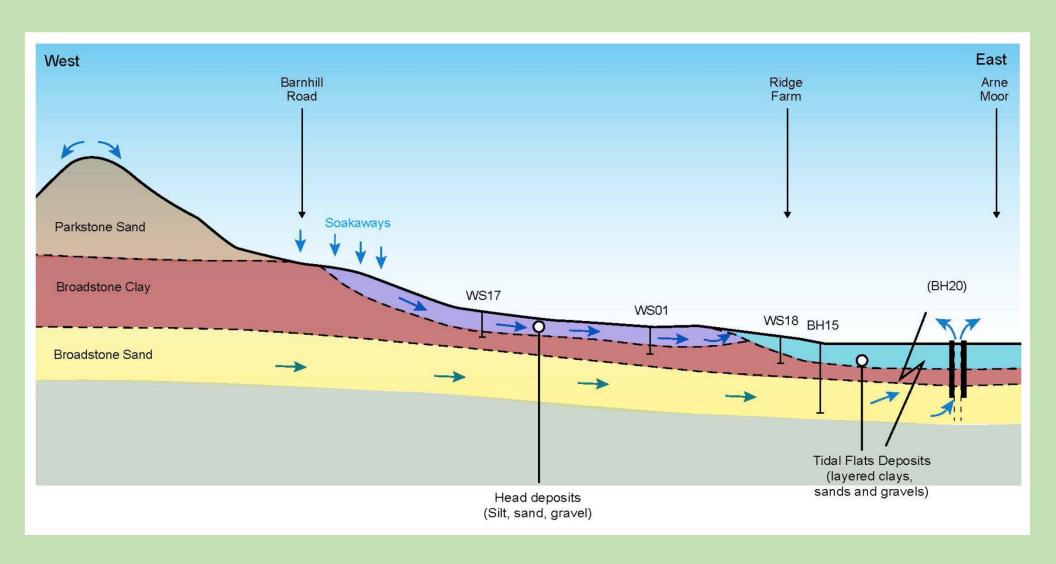












Visitor Access Principles:

- We do not want access to have a negative impact on wildlife
- We do want to provide access that will be beneficial to people, especially within local communities
- RSPB Arne will be the main focus of access
- We are not proposing any significant infrastructure at Arne Moors
- Enable 'non-car' access if possible
- Limit access to permitted trails and viewing points



Update: Construction Traffic



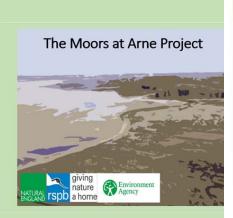
- Excavate material from the site as much as possible
- Reduce size and length of embankments as much as possible
- Longer, lower embankments allows use of a wider variety of materials

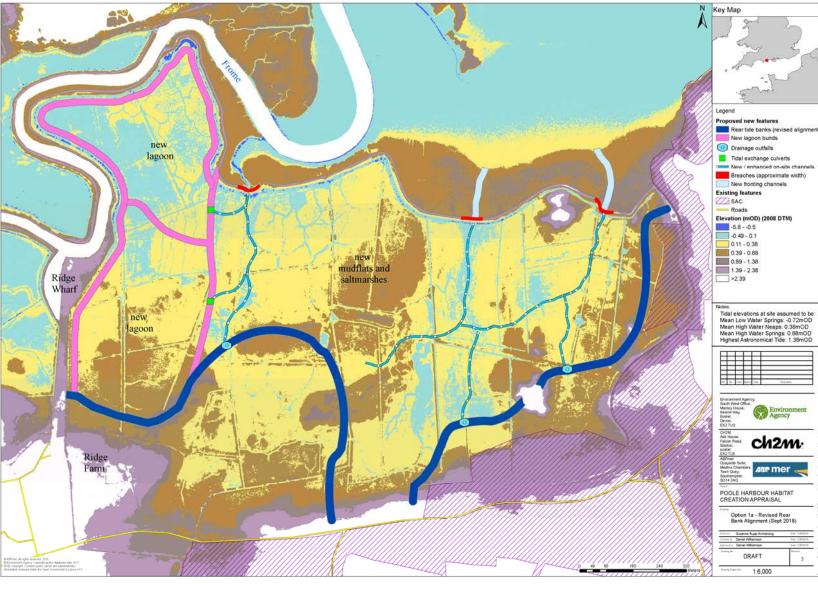
Update: Location of Main embankment

Location of lagoons



Emerging option





Update: Siltation in River Frome and Upper Wareham Channel



- Analysis of historic surveys
- Results expected later this year
- Plan to survey area before works start to establish the baseline conditions

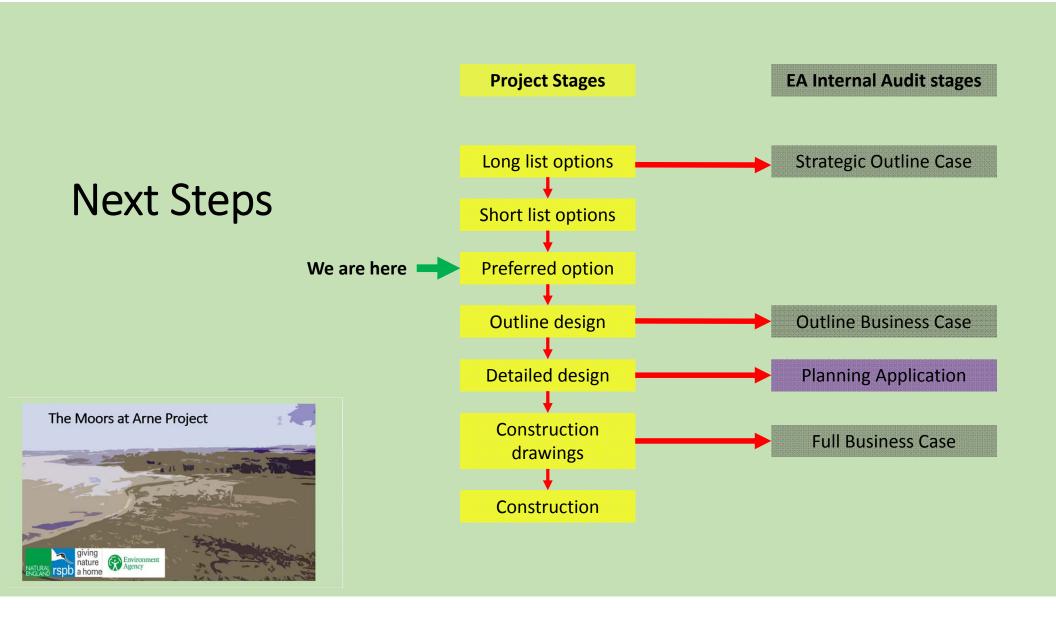
Future topics for discussion

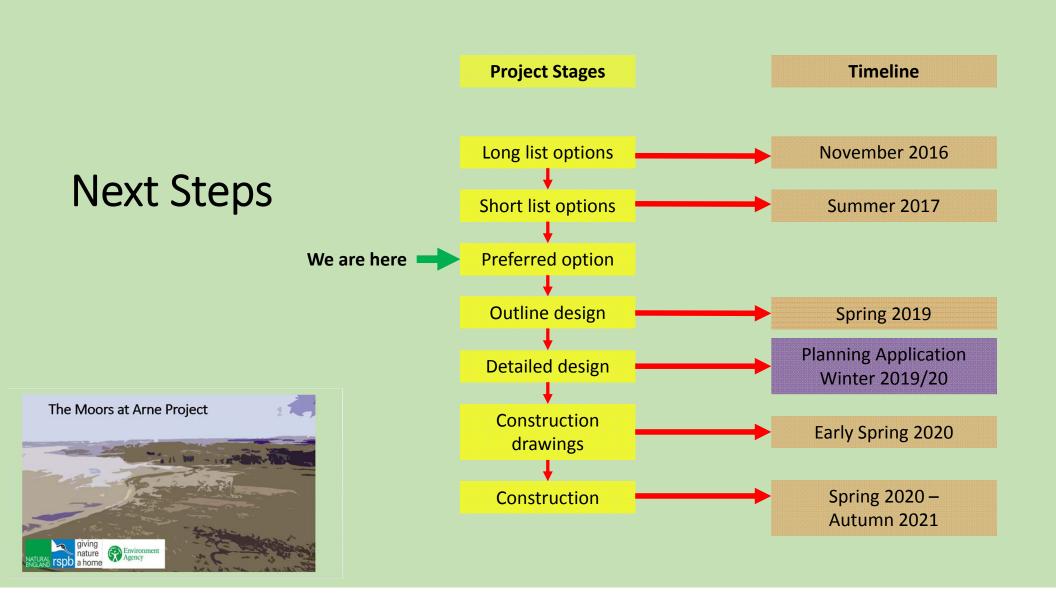


Next Steps

- Groundwater Meeting 25 September
- Public Exhibition November







Next Meeting

• 18th October?



Thank you

- <u>TheMoorsAtArne@environment-agency.gov.uk</u>
- https://www.dorsetcoast.com/groups/the-moors-at-arne-coastalchange-project/

