

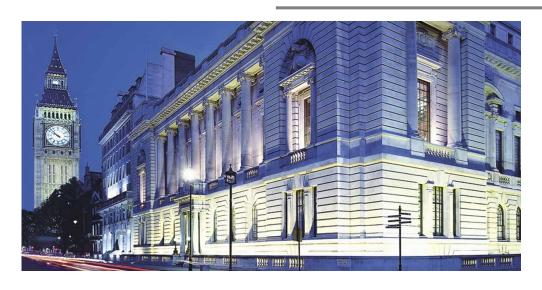
Coastal Habitat Creation – Are We Delivering?

Colin Scott

Solent Protection Society
20 February 2014, Lymington Community Centre



ABPmer Habitat Creation Conference (Nov. 2013)





























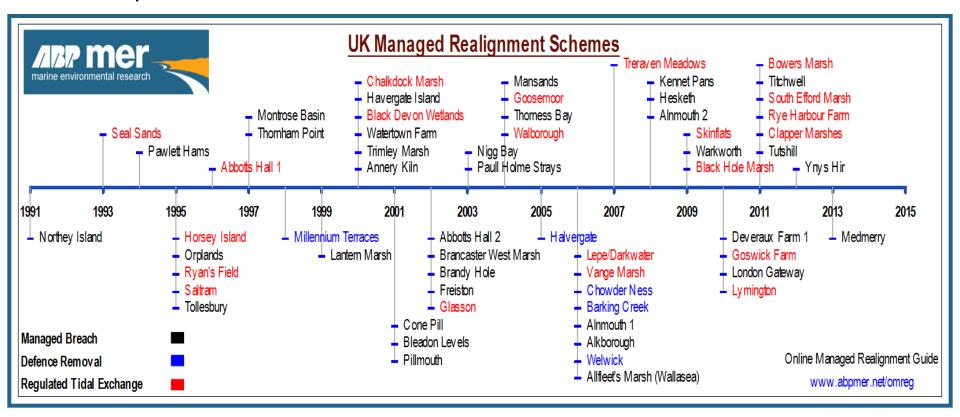
Background and Rationale

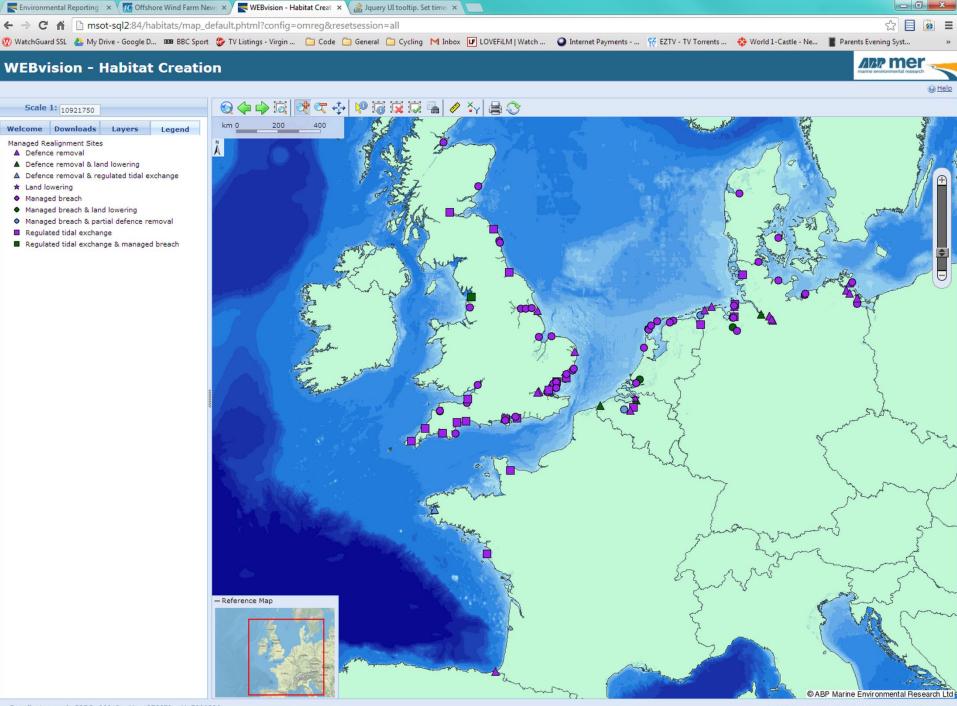
- Methods for Creation/Restoration.
 - Managed Realignment (inc. sea wall breaches and sluices)
- Methods for Protection/Enhancement .
 - Sediment Recharge

- Logic of Managed Realignment.....
 - Reduces maintenance costs for coastal defence;
 - Space for sea level rise, reduces habitat loss;
 - Improves flood protection;
 - Creates 'new' intertidal habitats plus many other gains; and
 - Leads to more sustainable shorelines and estuaries.



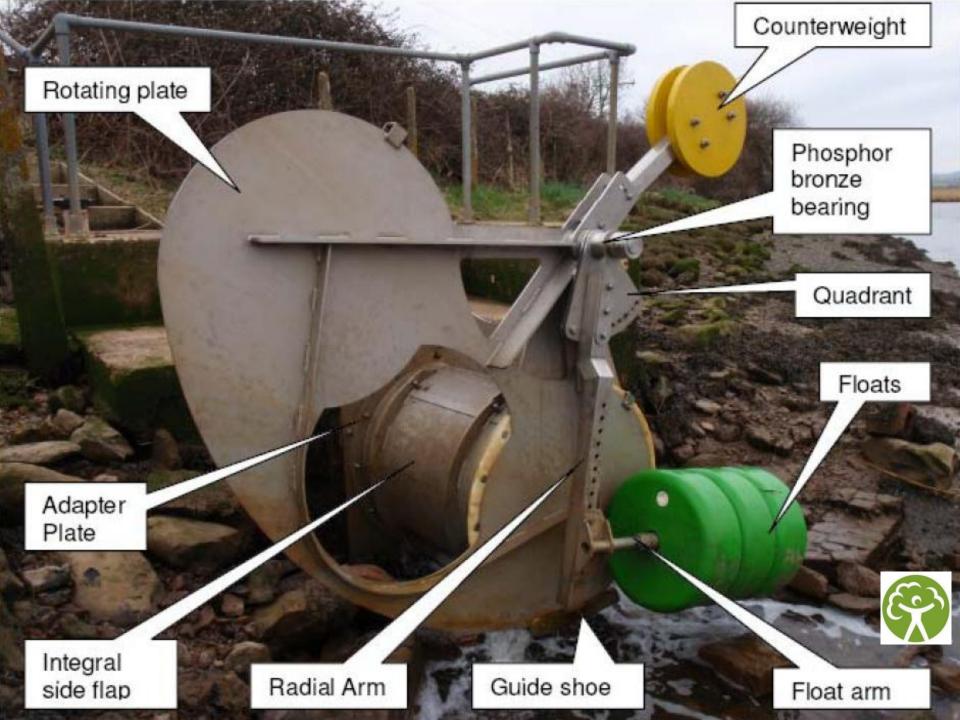
- Over the last 23 years....
 - Over 60 completed MR and RTE projects in UK... extensive practical experience











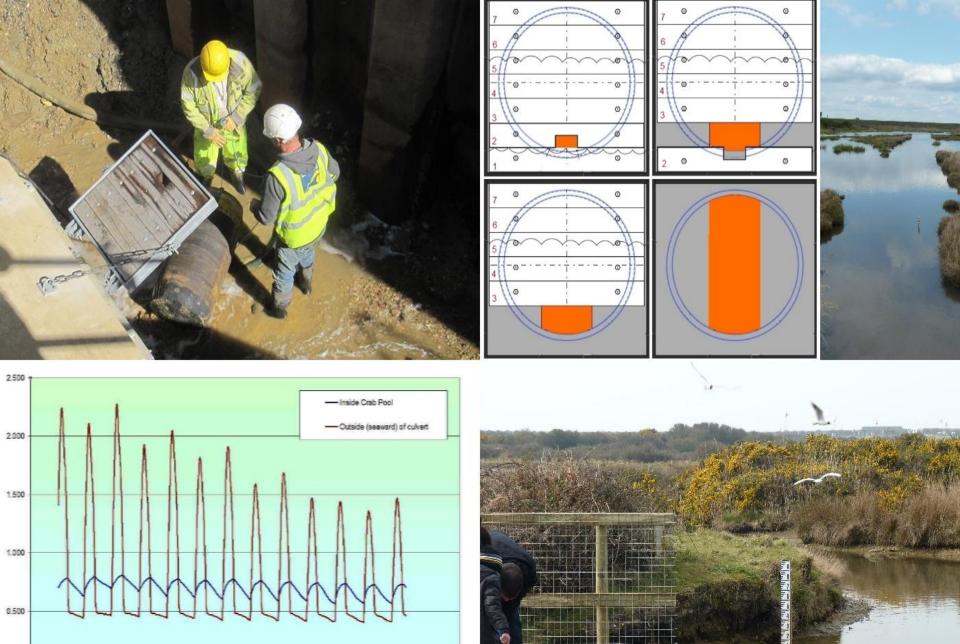






West Wittering Regulated Tidal Exchange





10/08/2011 00:00

08/08/2011 00:00

07/08/2011 00:00 Time 11/08/2011 00:00

03/08/2011 00:00 04/08/2011 00:00 05/08/2011 00:00





- Yes and No...the Future has more challenges
 - Work to Do To meet SMPs aims by 2050 realignment needs to increase 5-fold from 6km/year to 30km/year;
 - Cost Increasing cost of project; even as projects get larger there
 are no economies of scale....
 - Land Purchase Problems with securing correct land;
 - Communicating Project Rationale A challenge for all projects; raising issues such as "food security".....need to clarify the relevance of such issues and the multiple benefits...
 - What are the incentives/funds: Other than fish, carbon?
 - Need to think bigger?...





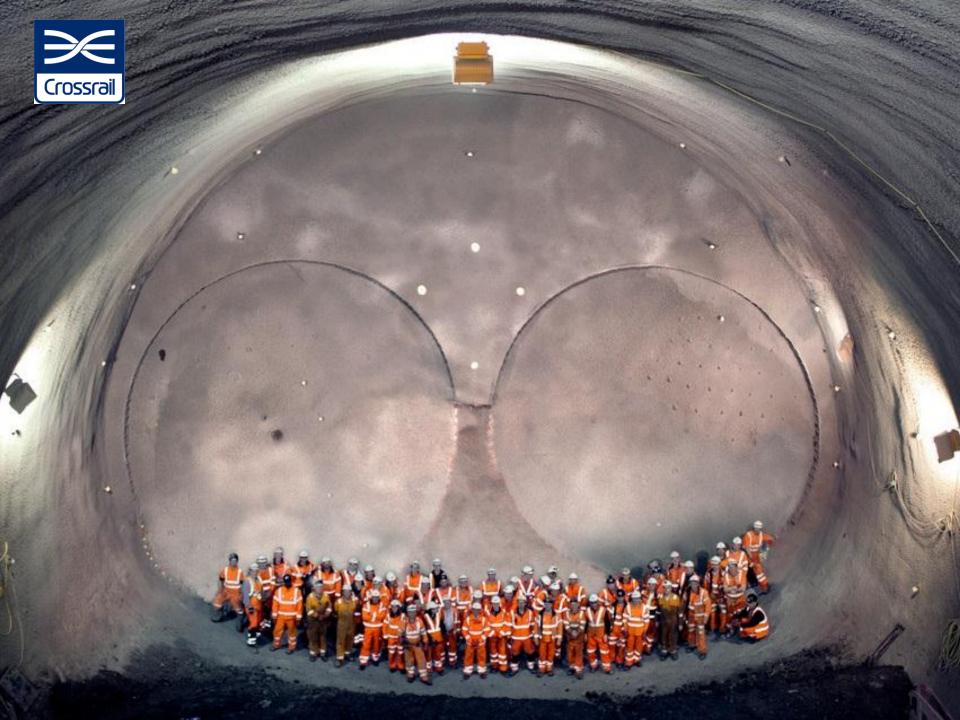






Present Day









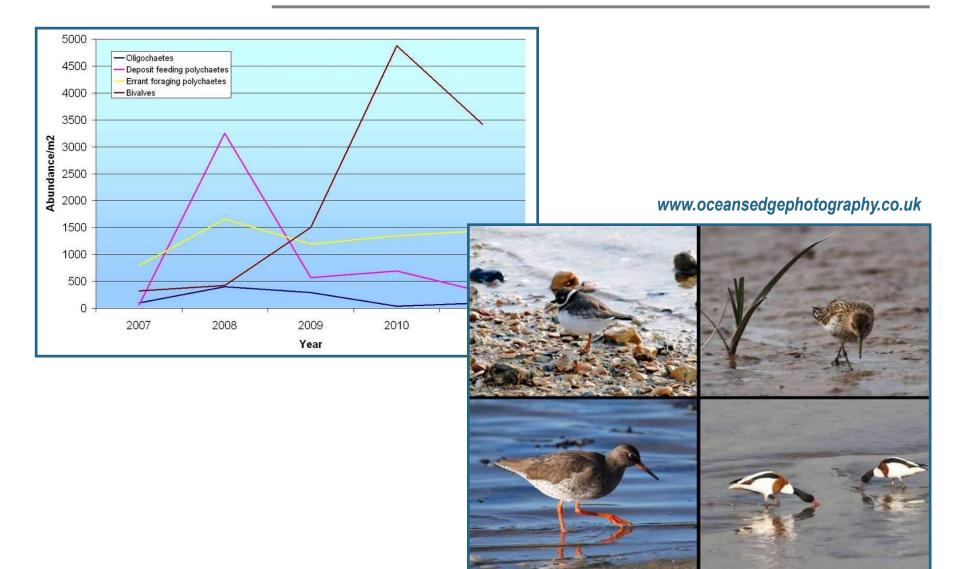




Social Value **Economic Gain** ✓ Improved access to the coast √ Catastrophic flood risk reduction local jobs in ✓ Social and health benefits from new green tourism √ Jobs and skills creation in amenities and facilities construction √habitat offset √ Connecting people with the provision for √ Future-proofed sustainable coastline coastal defence coastal defence ✓ Climate change / Sea-level rise √ Waste management outreach Wallasea Island partnership ✓ Enhanced visual Wild Coast landscape √ New angling & √Fish & bird watching sites Project shellfish habitat ✓ Focus for local volunteering √'Living' research Carbon sequestration laboratory ✓ Improved water quality √ Avoids road transport impacts √Landfill alternative √ maintaining populations of protected terrestrial species ✓ coastal feeding and roosting areas for important species ✓ internationally protected mudflats and marshes high biodiversity habitats restoration Environmental Benefit



Ecological Development

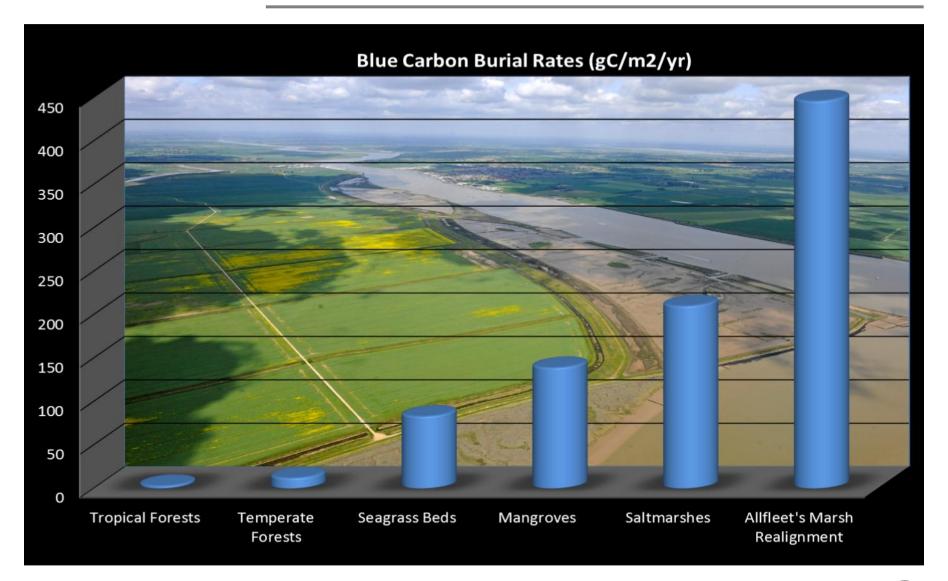








Blue Carbon Capture





Fish & Aquaculture

España







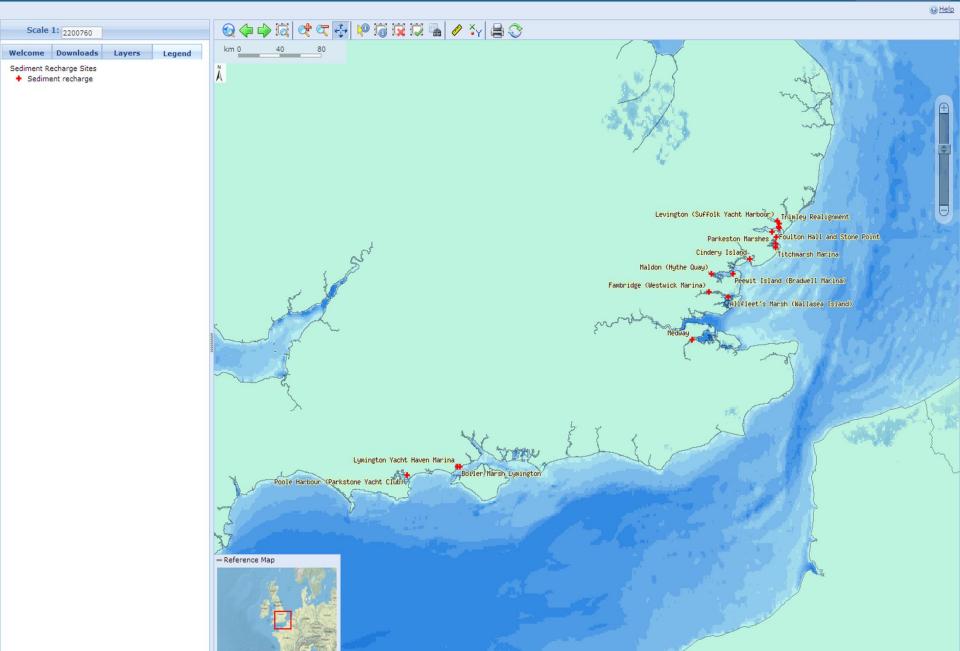




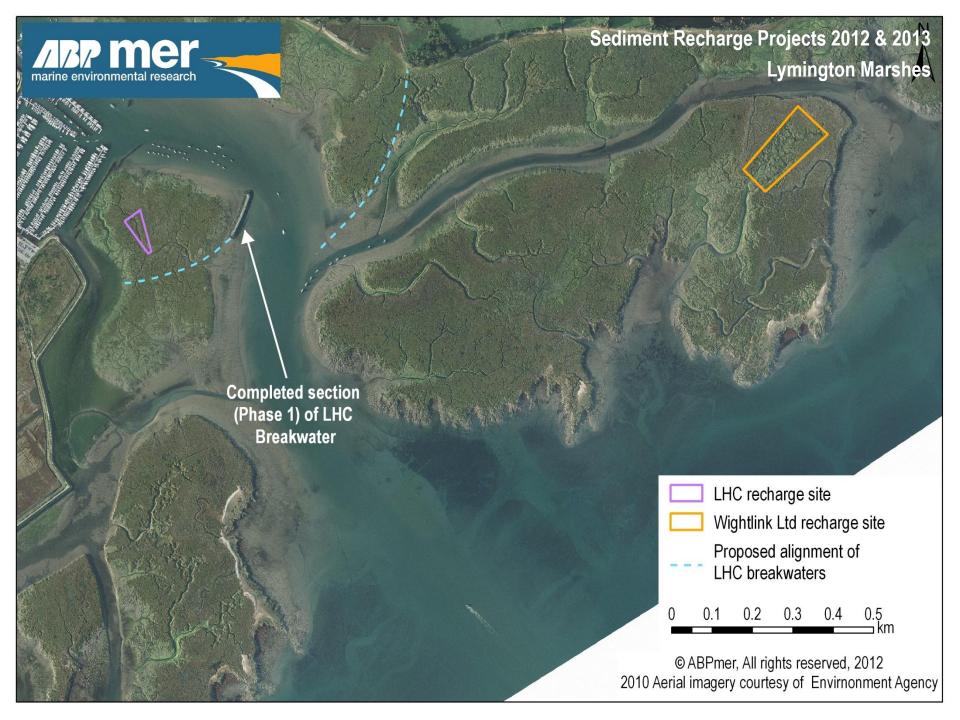
Fish & Aquaculture





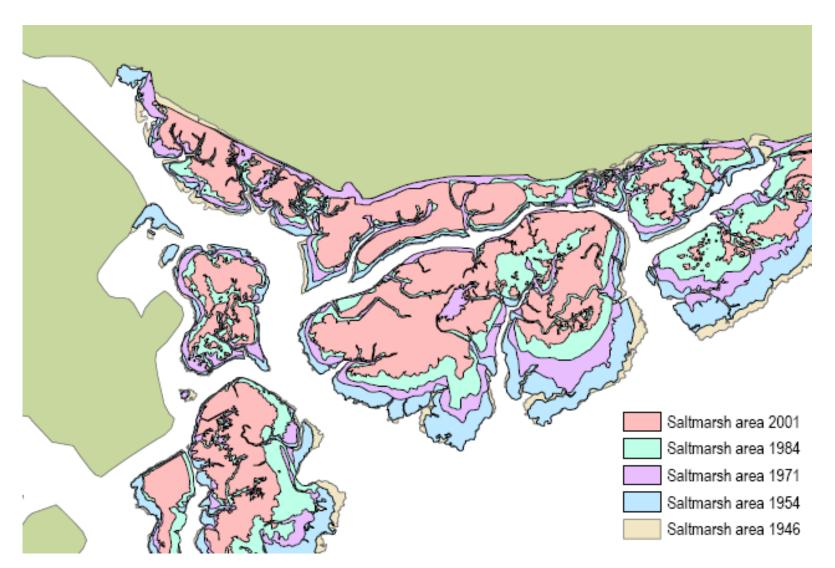


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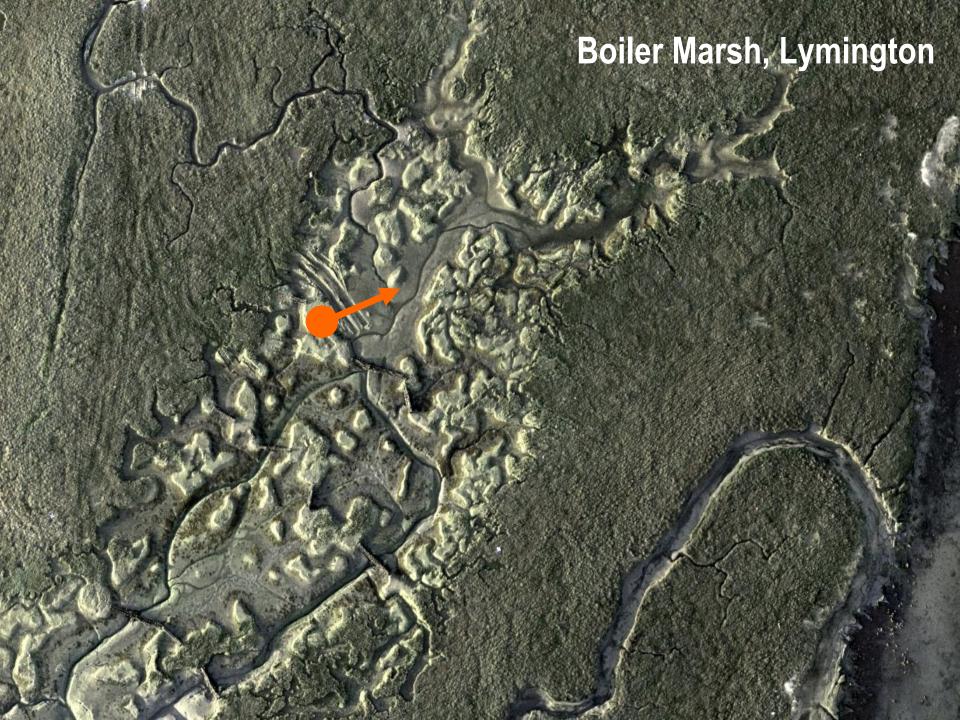


Lymington Marshes

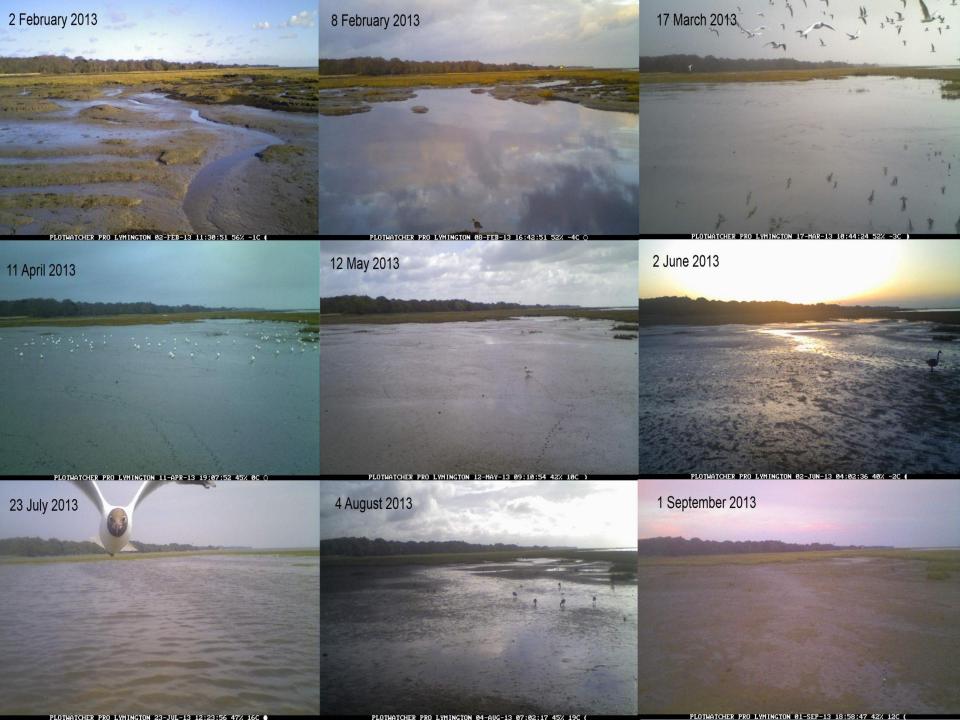


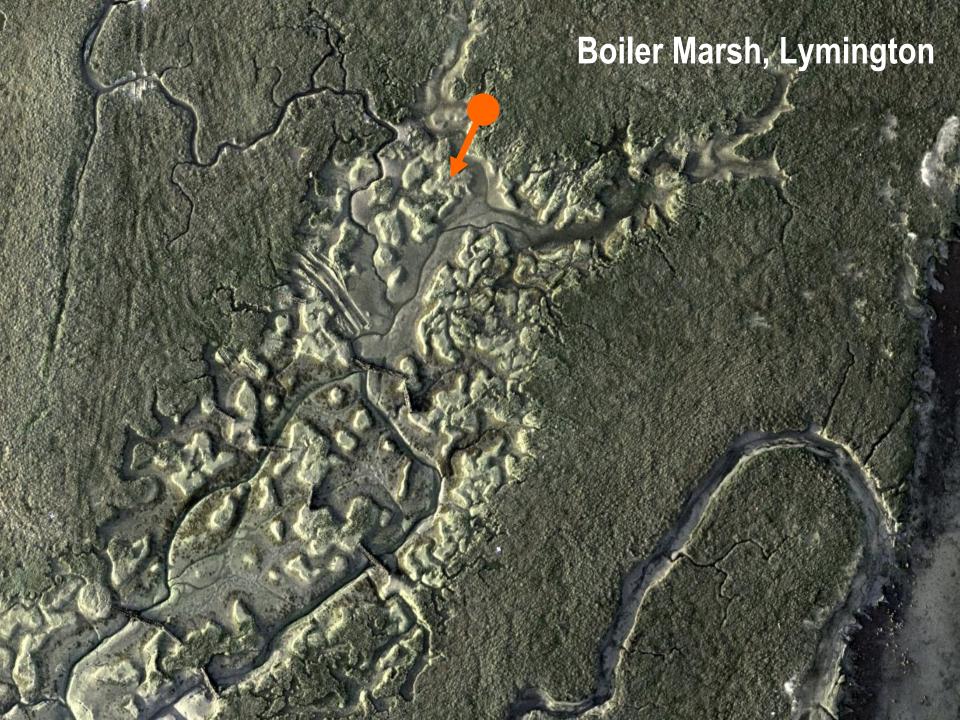


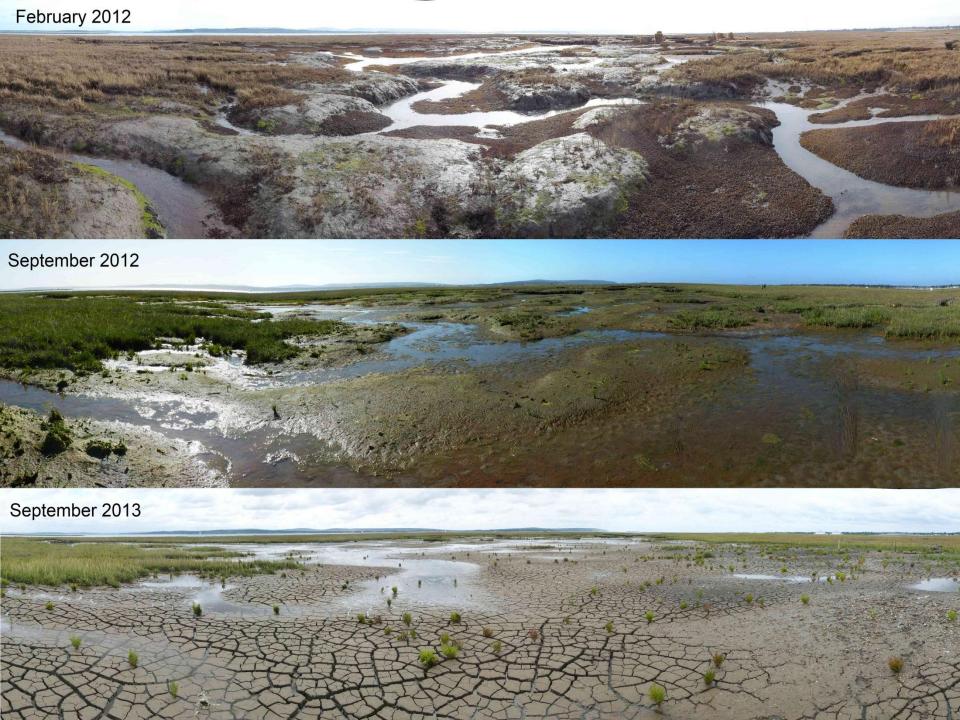
















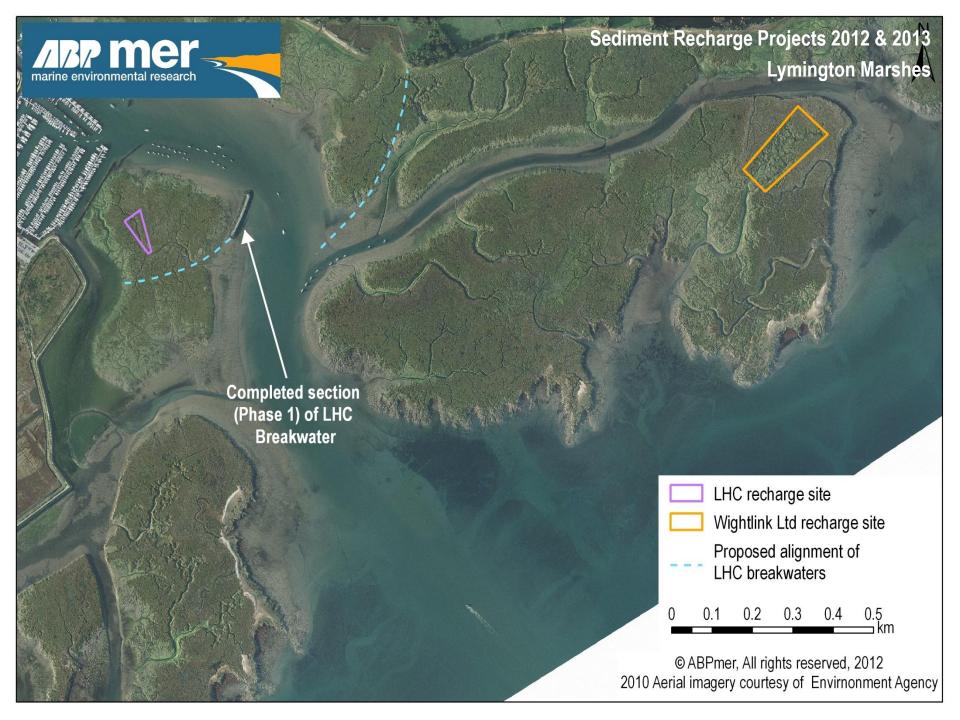


















Arc Consulting Ltd.



Thank you for your attention

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