



Managed Realignment 20 Years On An Overview

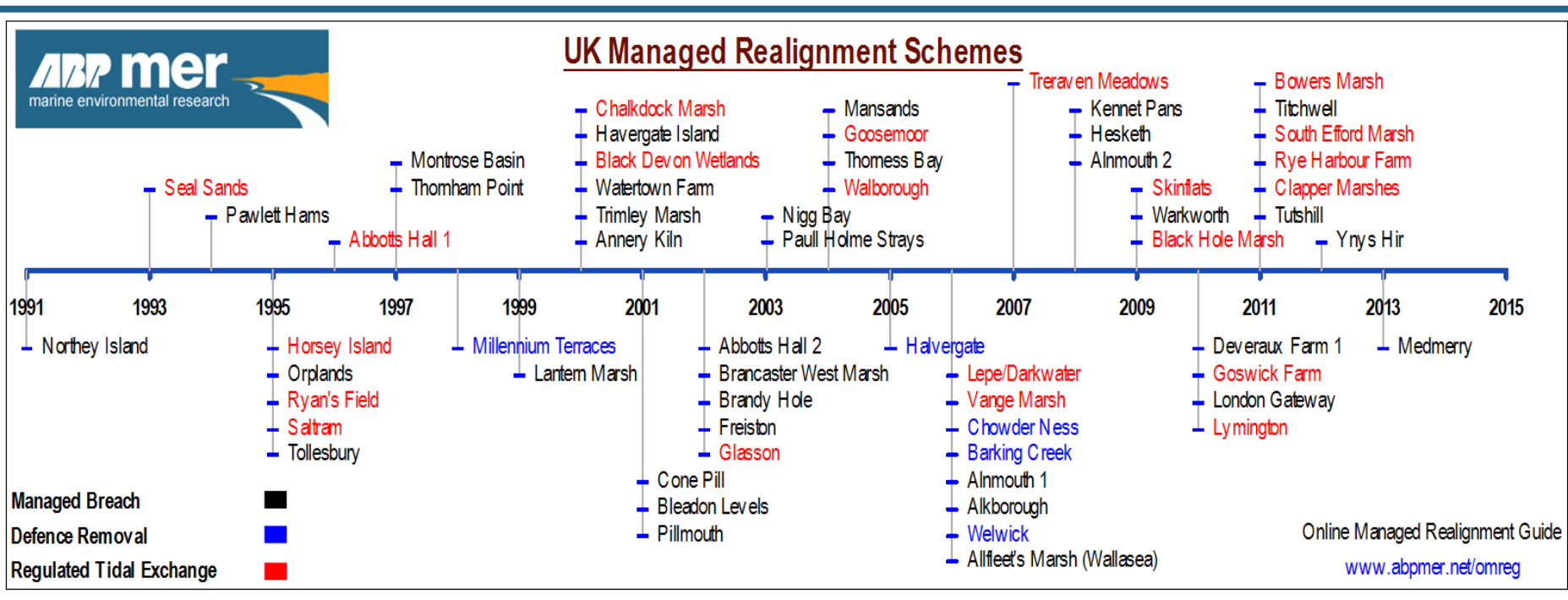
Colin Scott

Coastal Futures 2014 Review & Future Trends
January 22nd 2014, SOAS, London.

- **20 Years Ago....at Coastal Futures 1994....**
 - Initial Trails had begun and the NRA had identified a new experimental site at Tollesbury;
 - The logical rationale for 'managed retreat' was well understood:
 - Reduced maintenance costs for coastal defence;
 - Space for sea level rise (addressing coastal squeeze);
 - Creating 'new' intertidal habitats;
 - Ideally creating more sustainable shorelines and estuaries.

- Today....Coastal Futures 2014....

- Over 60 completed projects in UK... extensive practical experience

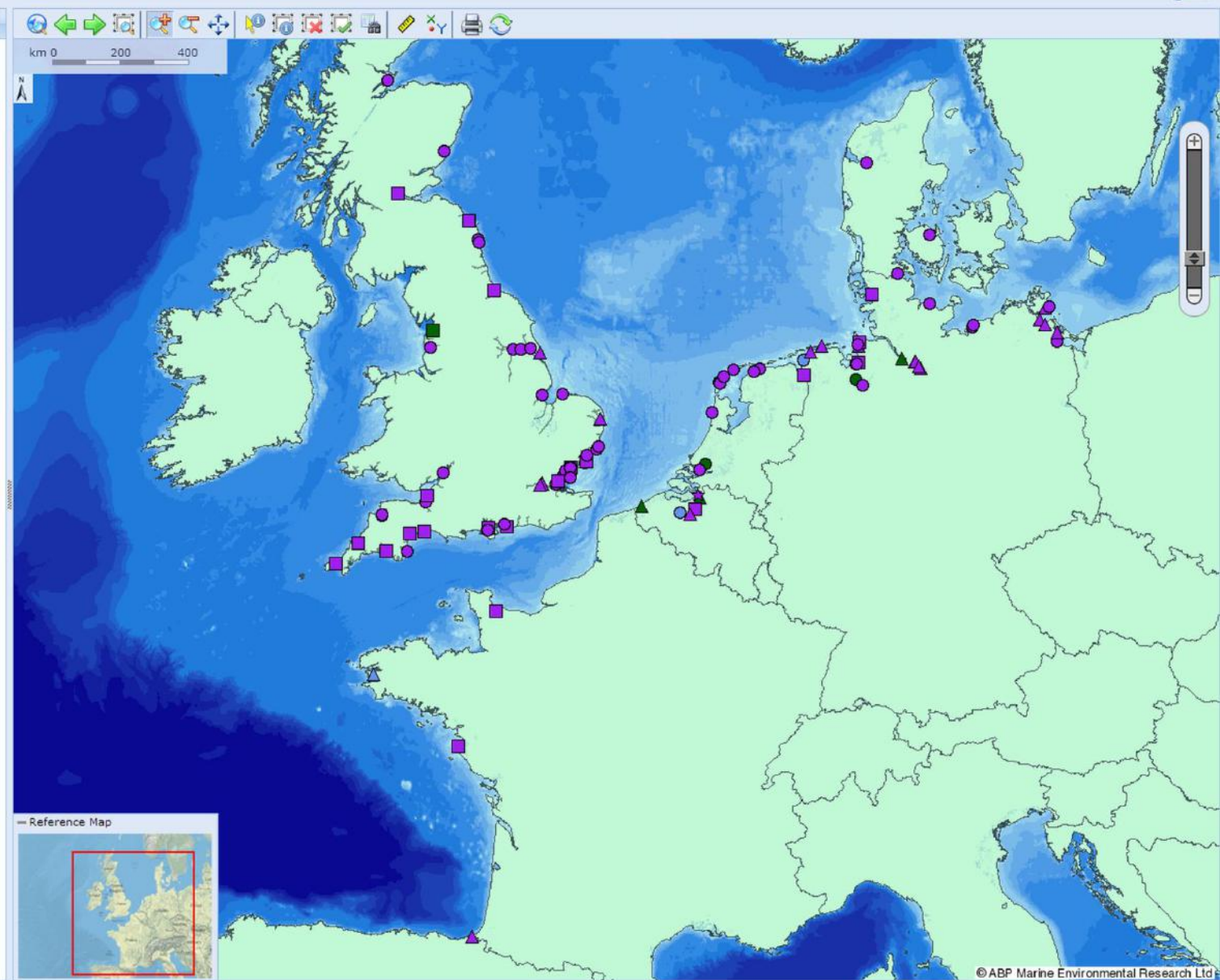


Scale 1: 10921750

Welcome Downloads Layers Legend

Managed Realignment Sites

- ▲ Defence removal
- ▲ Defence removal & land lowering
- ▲ Defence removal & regulated tidal exchange
- ★ Land lowering
- Managed breach
- Managed breach & land lowering
- Managed breach & partial defence removal
- Regulated tidal exchange
- Regulated tidal exchange & managed breach





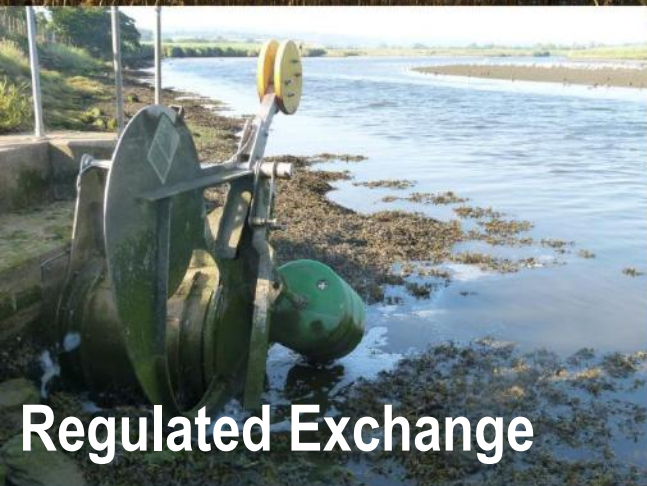
Bank



Breach



Regulated Exchange



Regulated Exchange



Regulated Exchange



Natural Morphology



Landform Change



Culvert Gate



Coastal Shingle

2007



2011



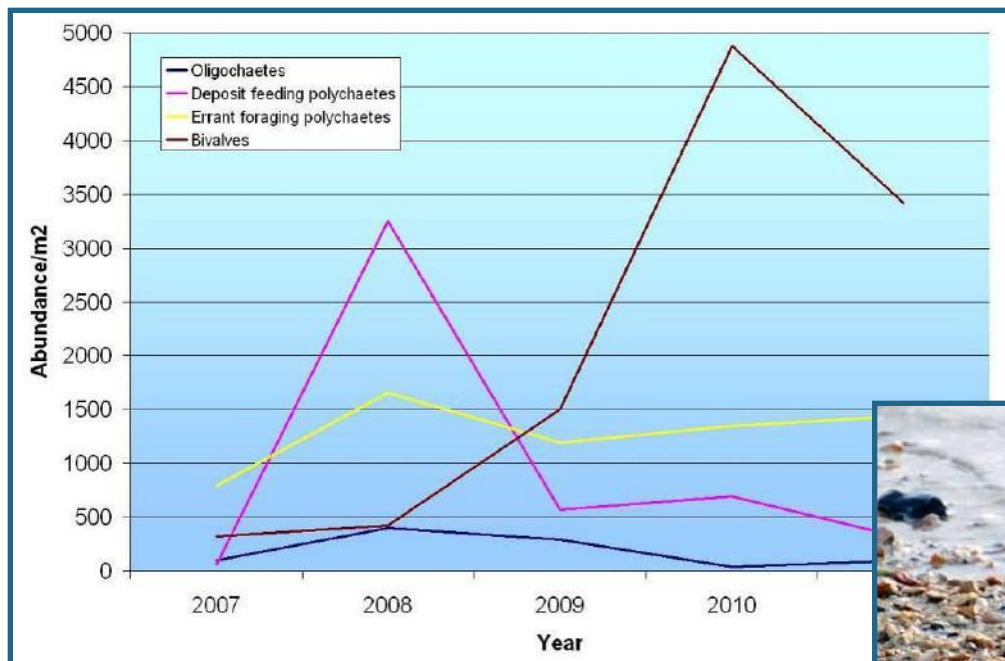
2006



2011



Allfleet's Marsh (Wallasea)



Photos www.oceansedgephotography.co.uk



2007



2008



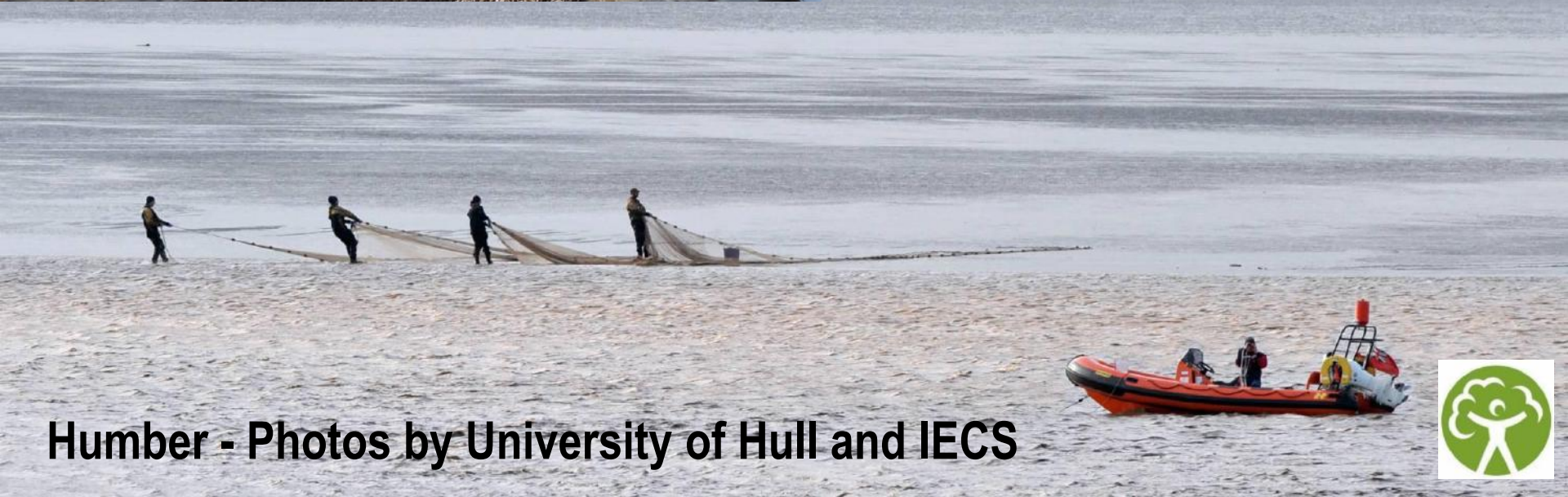
2009



2010



Allfleet's Marsh (Wallasea)



Humber - Photos by University of Hull and IECS





Allfleet's Marsh (Wallasea)



giving
nature
a home





Wallasea Island Wild Coast (September 2013)



Wallasea Island Wild Coast (September 2013)

- **The Future ...is not short of 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;
 - **What are the incentives/funds:** Other than Habitats Regulations...WFD, Biodiversity offsetting, aquaculture? **need to think bigger...**
 - **Communicating Project Rationale** – A challenge for all projects; raising issues such as food security.....need to clarify the multiple benefits...





Lymington Recharge - Wightlink Ltd., Land and Water Ltd & ABPmer.

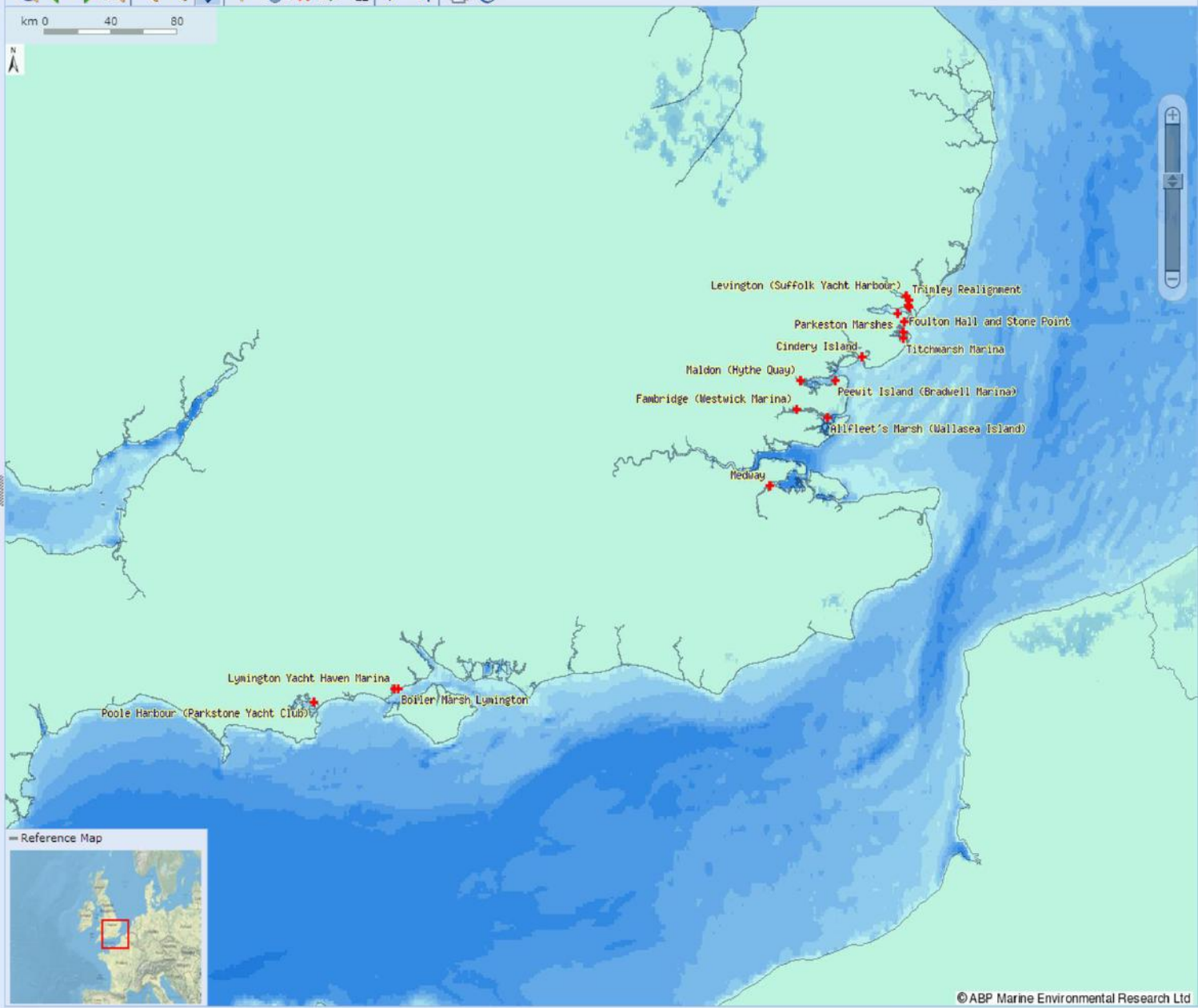
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Welcome Downloads Layers Legend

Sediment Recharge Sites
 + Sediment recharge



km 0 40 80



February 2012



September 2012



September 2013



Lymington Recharge - Wightlink Ltd., Land and Water Ltd & ABPmer.



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Thank you for your attention

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