

# Community Action Team Meeting



Chairman  
Cllr Arthur Mandry



# Introduction

Councillor Keith Evans  
Executive Member for Planning & Development  
Fareham Borough Council



# Hill Head Seawall Replacement

- Mark Stratton (Policy Team Leader)
- Andrew Pearce (Operations Team Leader) from the Eastern Solent Coastal Partnership

# Community Action Team Meeting

## Fareham Borough Council

### Hill Head Seawall Replacement



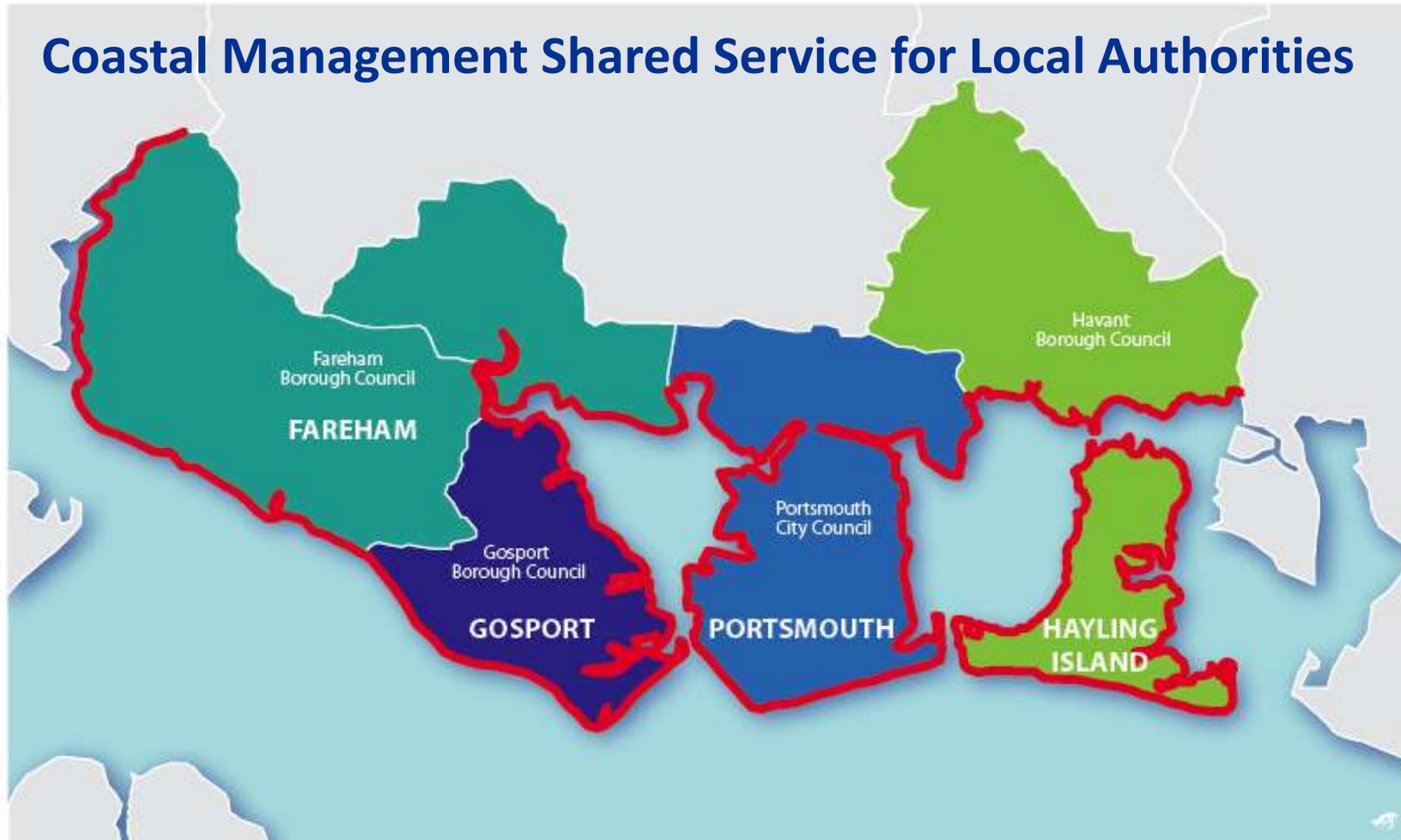


- **The Eastern Solent Coastal Partnership**
- **Coastal Responsibilities**
- **The River Hamble to Portchester Strategy**
- **Hill Head Past & Present**
- **The Project – Objectives & Scope**
- **Considerations**
- **Project Timeline**
- **Seawall Options**





## Coastal Management Shared Service for Local Authorities





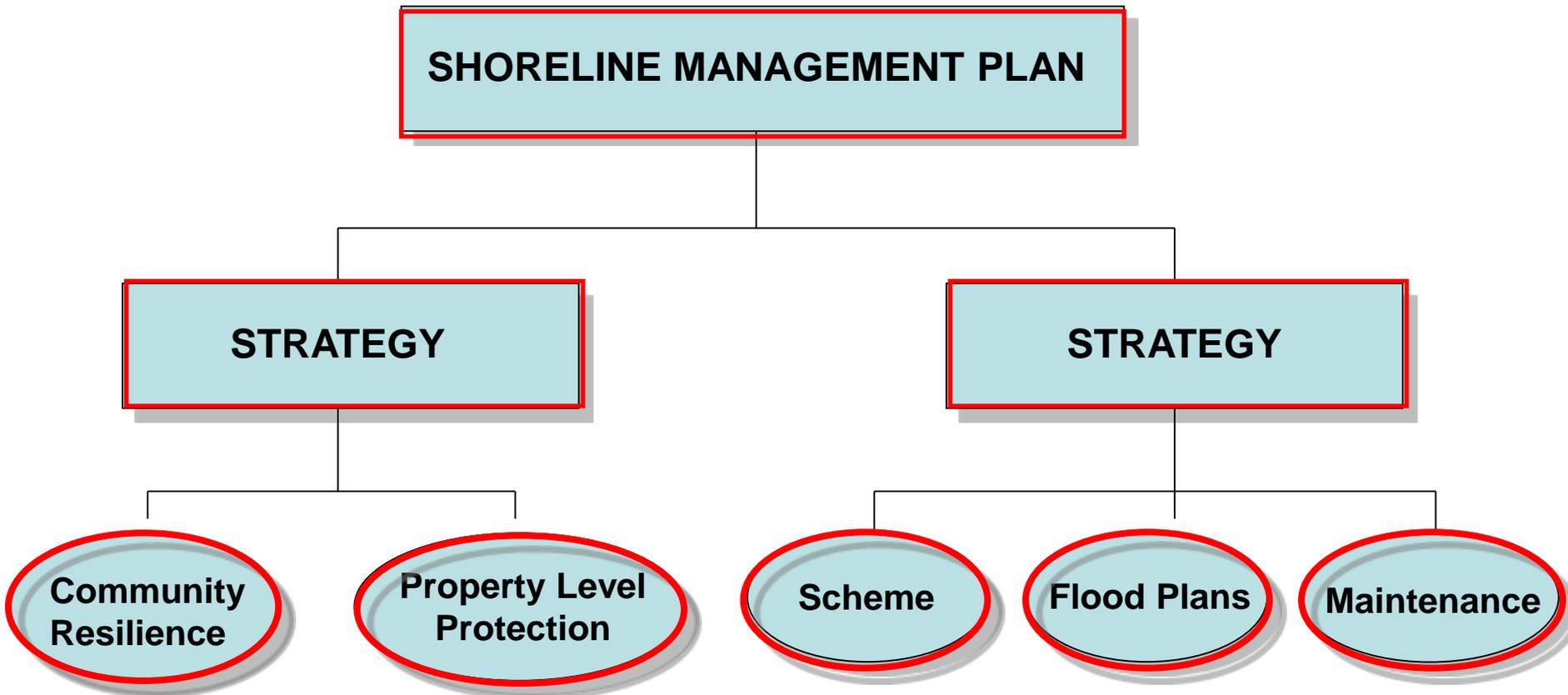
## What does the ESCP do?

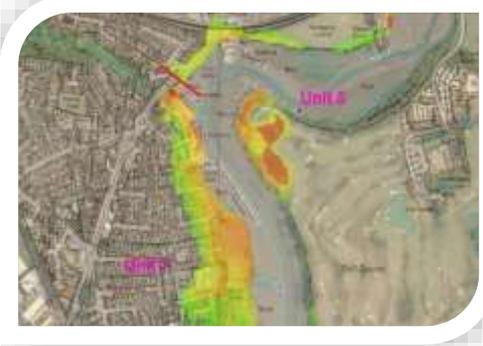




- Defra (overall policy responsibility for flood and coastal erosion risk management in England);
- Environment Agency – Strategic Overview (all forms of flooding & coastal erosion);
- Landowners (including Fareham Borough Council) are responsible for their own frontage and their own protection;
- Fareham Borough Council (as a Coastal Protection Authority) has ‘permissive powers’ and will only act in the Public Interest:
  - Technical;
  - Environment;
  - Economic (We can seek Grant in Aid from the Environment Agency).

## Three Tiered Approach to Coastal Management

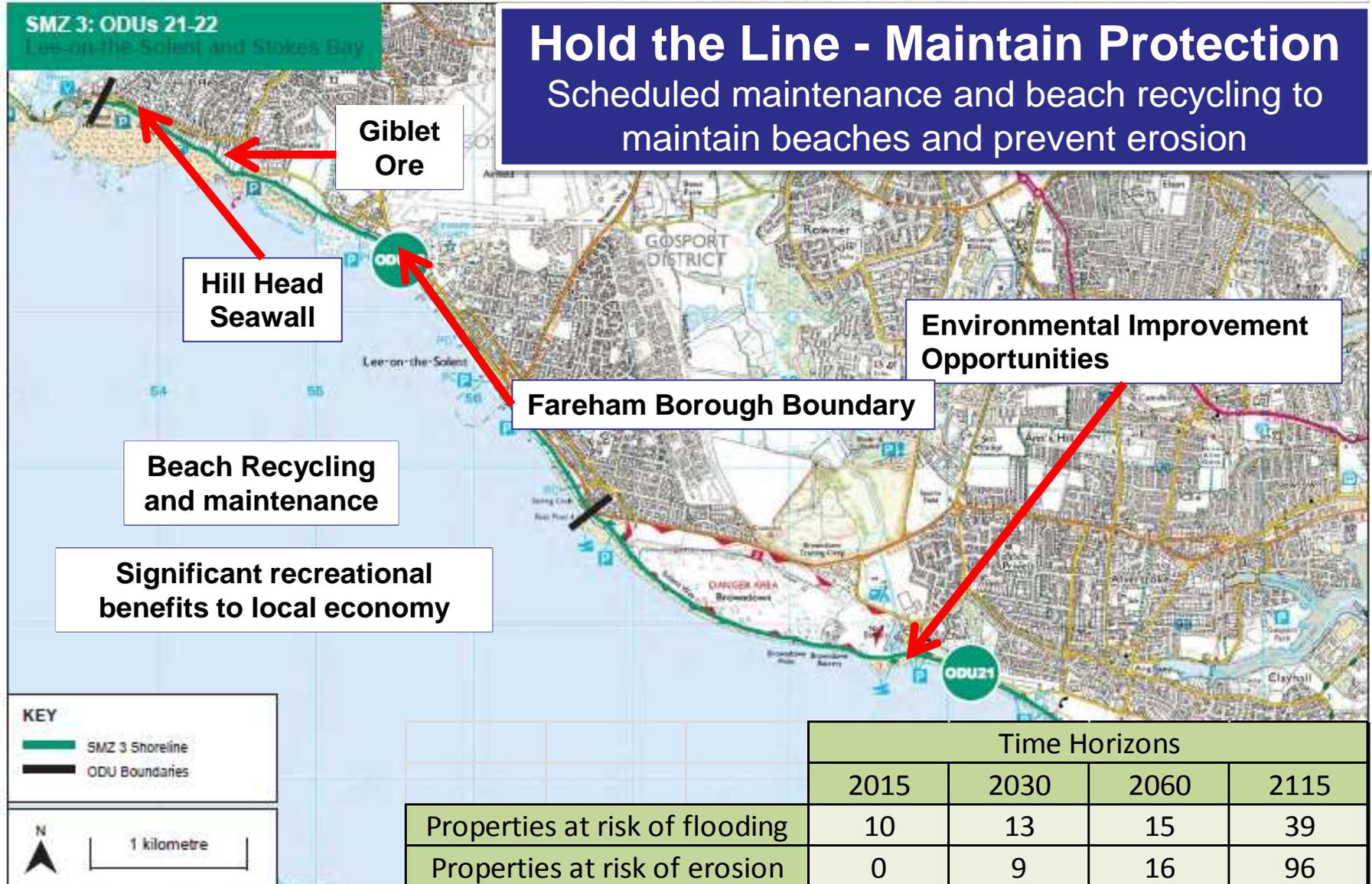




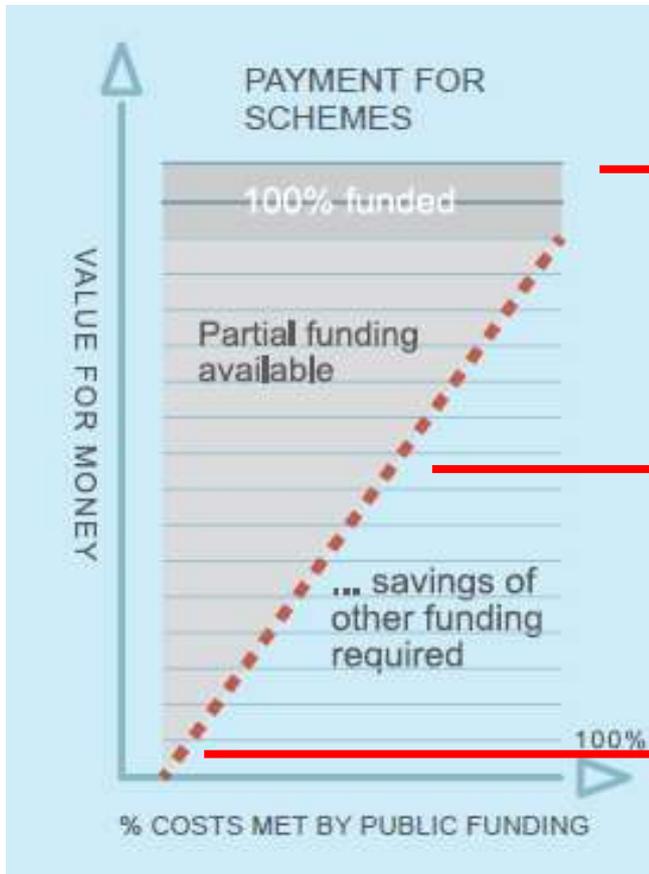
- ESCP secured £544,000 of DEFRA grant funding to develop strategy
- Full suite of technical studies produced including: coastal process, environmental, flood modelling, engagement, economic, funding, and specialist contaminated land studies
- In depth and ongoing engagement with communities and interested parties to inform, build relationships and support for Strategy
- Strategic management approaches appraised and developed to protect over 2600 homes and 10,000 people by 2115
- Formally Adopted by FBC Executive on 3 March 2015
- Environment Agency have recommended for approval following technical review



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- Requirement for Partnership Funding and contributions
- No guarantee of future EA funding – competition for national pot



**Southsea FCERM Scheme**  
£654 million damages  
6000 – 8000 properties at risk  
> £100 million Scheme cost

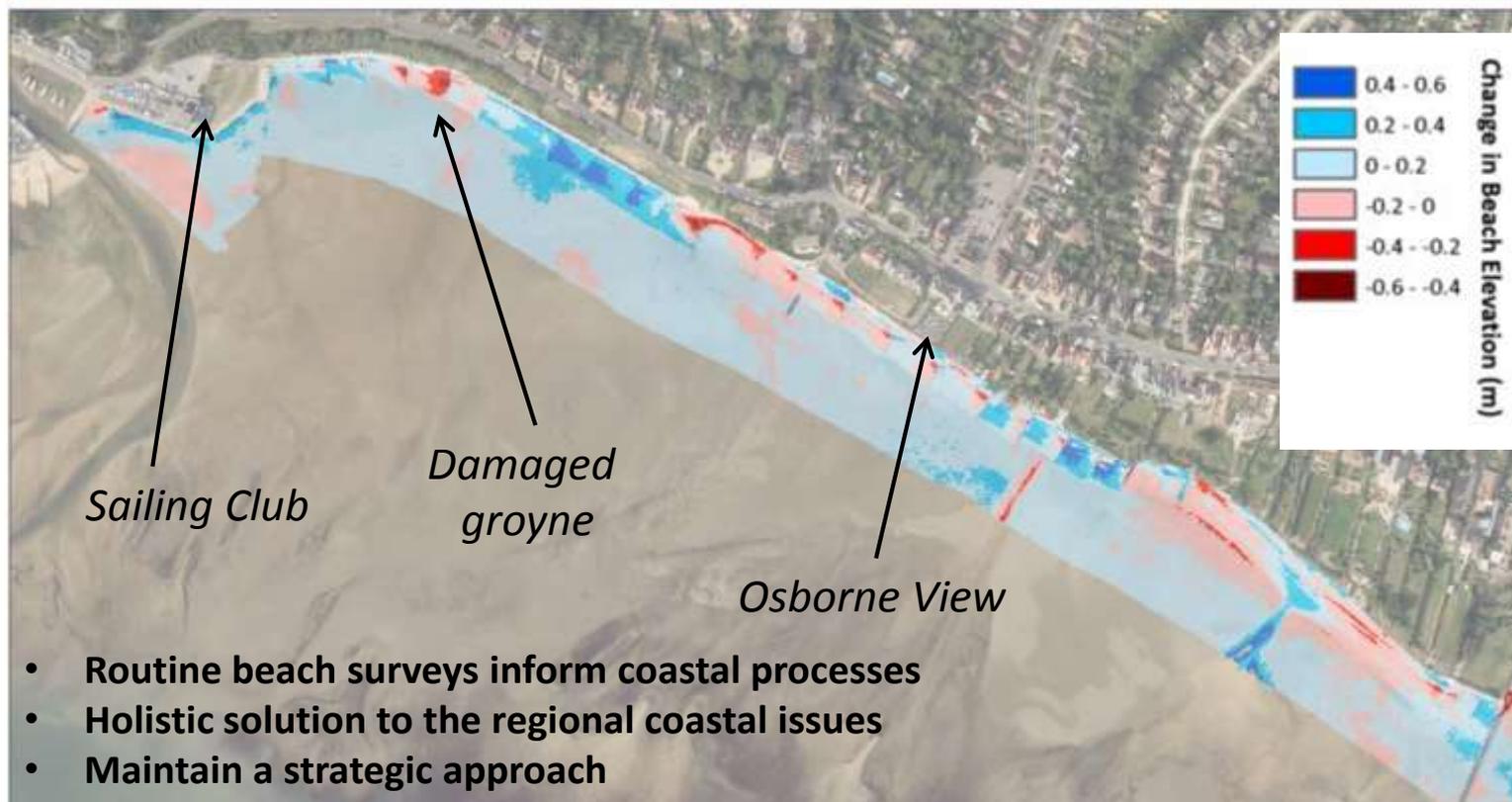
**Portchester to Paulsgrove FCERM Scheme**  
400 properties at risk  
£9 million scheme cost  
£5.7 million developer contribution

**Fareham Sites Identified through Strategy**  
10 – 40 Properties at risk per site (short term)  
£300k – £6 million scheme costs  
Limited to no Grant Available

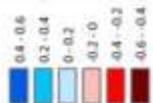


BEACH DIFFERENCE PLOTS: 2003 TO 2015

HILL HEAD TO GILKICKER POINT



Change in Beach Elevation (m)



Aerial Photography 2013; Image Courtesy of Channel Coastal Observatory



EASTERN SOLENT | COASTAL PARTNERSHIP

# Winter Storms 2015



EASTERN SOLENT COASTAL PARTNERSHIP



Torcross



Southsea

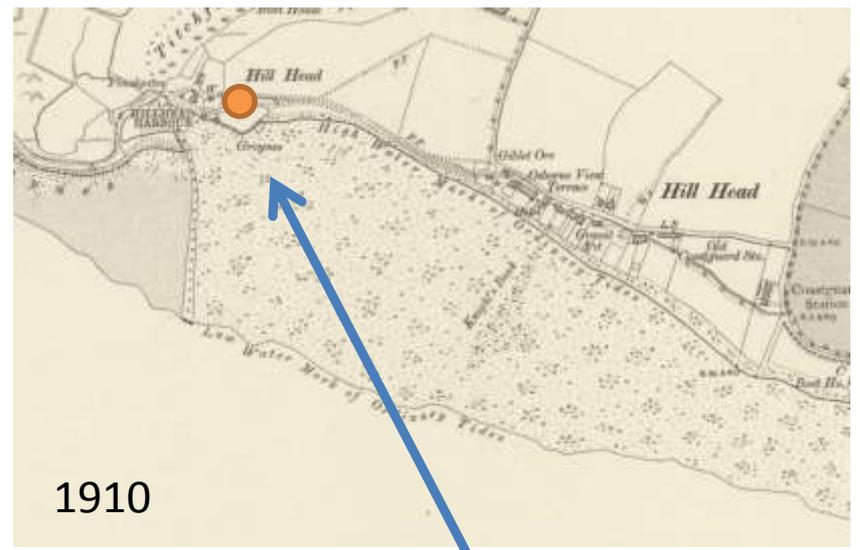
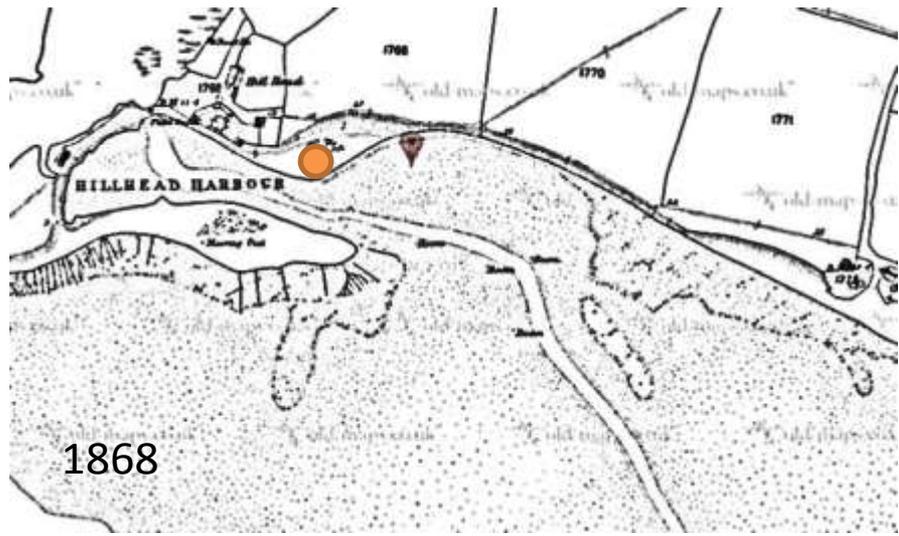




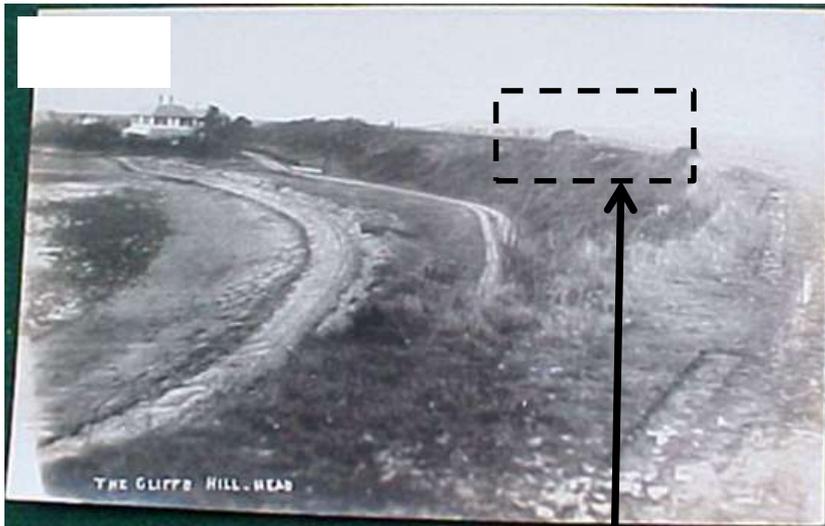
# Hill Head Past Issues



# Hill Head Coastline Evolution

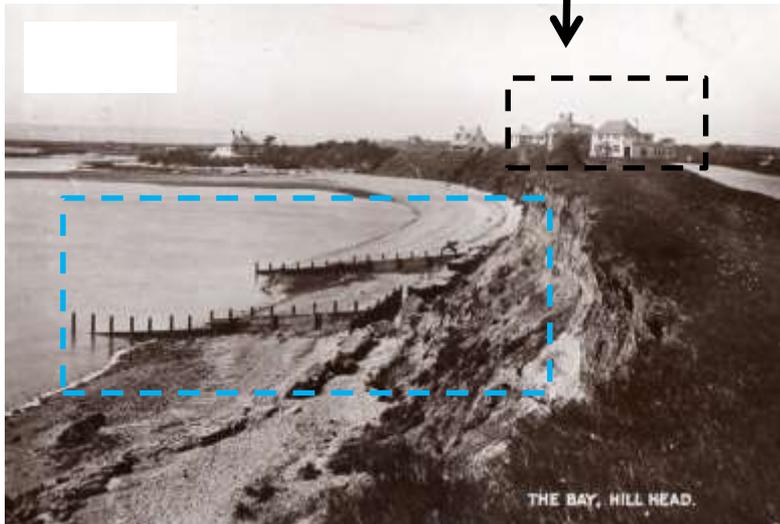


# Our Dynamic Coast



1920's

Same location 10-20 Years apart



1930's

# Promenade Failure



2005



2012



January 2016







Old steel pile



Concrete bags



# Hill Head Seawall Replacement



*“The aim of this project is to develop, design and build a cost effective sea defence option, at Hill Head in Fareham, which maintains amenity and leisure access along this frontage for the lifetime of the structure.”*

## Project Objectives

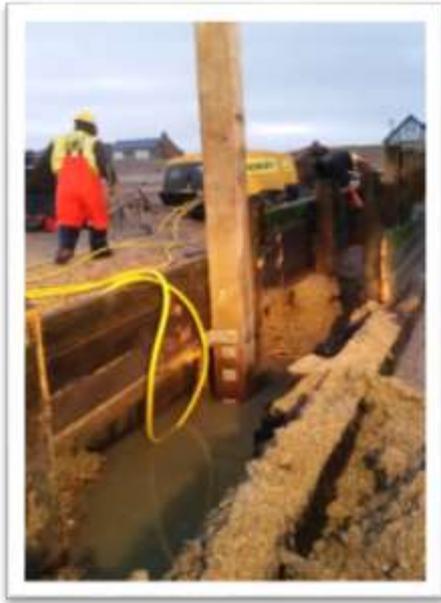
- |             |  |
|-------------|--|
| Objective 1 | Maintain the promenade as a safe and attractive leisure facility providing access to the Fareham coastline.                |
| Objective 2 | Continue usage of the promenade for Beach Huts to maintain the existing character of the frontage.                         |
| Objective 3 | Promote the amenity aspects of the beach in addition to its coastal protection function.                                   |
| Objective 4 | To ensure that full environmental consideration is given to the scheme, and minimal impact on the environment is achieved. |





- **Public Access**
- **The Environment**
- **Affordability**
- **Licenses and Approvals**
- **Public Realm Enhancements**
- **Construction access / disruption**



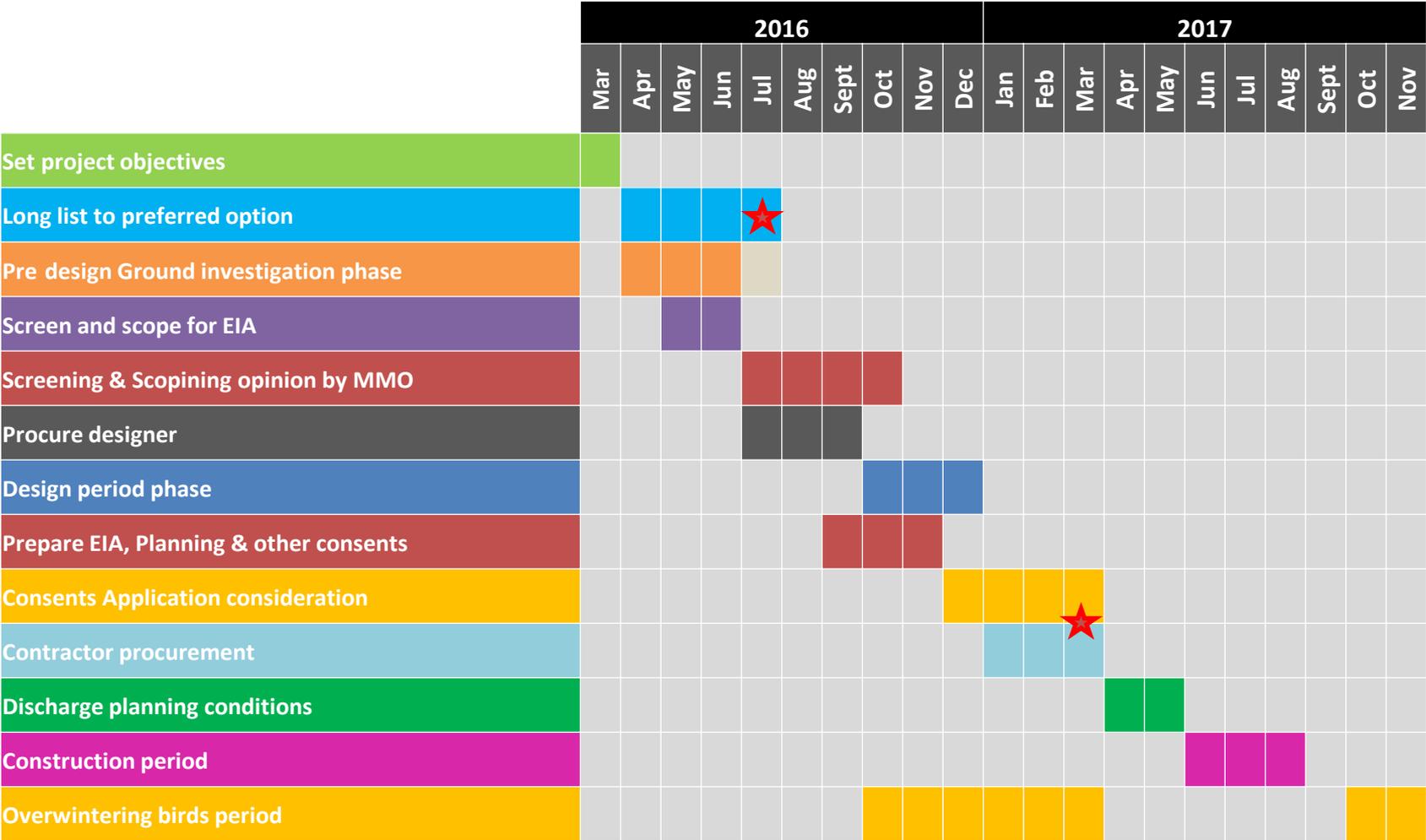


- Proposed Phase 1 beach works summer 2016 to take the pressure off the defences.
- Works brought forward from Phase 2- Seawall replacement in summer 2017.
- Seeking approval to repair FBC beach groynes & top up the beach (subject to funding & consents).
- Works are to align to the Beach Management Plan to ensure sustainable coastal management.

# Phase 2 Seawall Options



# Phase 2 Project Timeline



★ Funding approvals & consents



- Urgent works were completed to re-open the Prom
- Proposed Phase 1 beach works- summer 2016 (subject to funding approval and consents).
- Phase 2 Seawall Replacement summer 2017 (subject to funding approval and consents)
- Next steps:
  - Undertake site investigations
  - Develop draft preferred seawall option
  - Seek approvals
  - Consult on draft preferred seawall option – June/July 2016.



# Contact us

## East Solent Coastal Partnership

Website: [www.escp.org.uk](http://www.escp.org.uk)

Email: [info@escp.org.uk](mailto:info@escp.org.uk)

Telephone: 02392 446 013

## Fareham Borough Council

Website: [www.fareham.gov.uk](http://www.fareham.gov.uk)

Email: [customerservices@fareham.gov.uk](mailto:customerservices@fareham.gov.uk)

Telephone: 01329 236 100



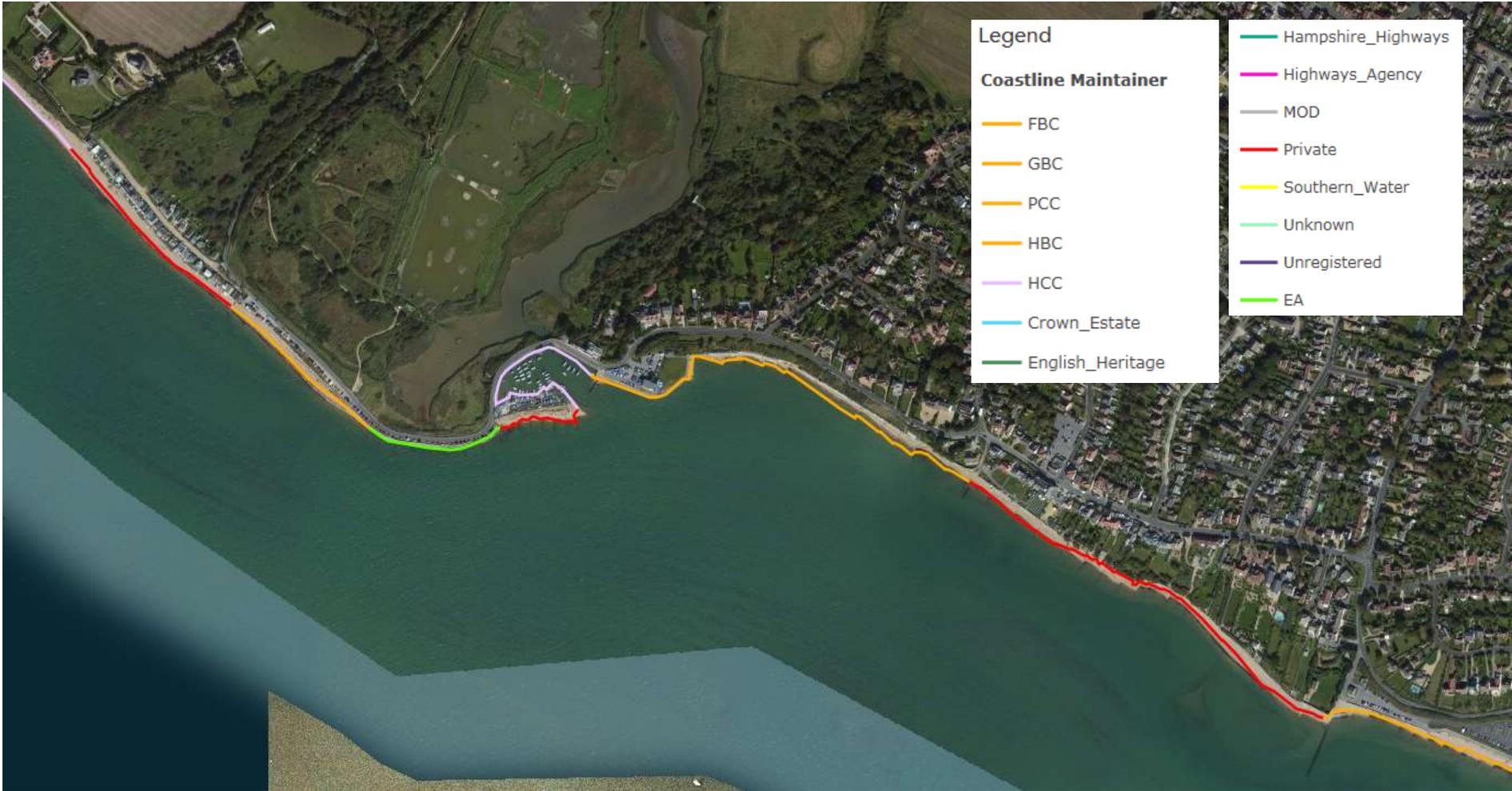
# SUPPORTING SLIDES



**Legend**

**Coastline Maintainer**

-  FBC
-  GBC
-  PCC
-  HBC
-  HCC
-  Crown\_Estate
-  English\_Heritage
-  Hampshire\_Highways
-  Highways\_Agency
-  MOD
-  Private
-  Southern\_Water
-  Unknown
-  Unregistered
-  EA



# Background



- **2005** Bagwork Wall and adjacent Promenade failure



- **2014** Gabion basket & Promenade Failure following 2013/ 2014 winter storms



- **Feb 2014** Giblet Ore Flooding – PAR and Application to E.A. for £233K Bid declined



- **June 2015** Hill Head MRR report to replace Seawall

- **Aug 2015- Dec 2015** Bagwork Wall and adjacent Promenade failure, similar location to 2005



# Hill Head Project Location



EASTERN SOLENT | COASTAL PARTNERSHIP



# Background



- **2005** Bagwork Wall and adjacent Promenade failure



- **2014** Gabion basket & Promenade Failure, currently under observation.



- **Feb 2014** Giblet Ore Flooding – PAR and Application to E.A. for £233K Bid declined

- **June 2015** Hill Head MRR report to replace Seawall



- **Sep 2015- Dec 2015** Bagwork Wall and adjacent Promenade failure, similar location to 2005



# Key Fareham Sites



SMZ locations

PLP – Warsash and Swanwick

Fareham Quay

Eroding Former Landfill

River Wallington

Alton Grove to Cadour Drive

Solent Breezes

Solent Way Adaptation

SMZ 1

Portchester to Paulsgrove

SMZ 4

Giblett Ore

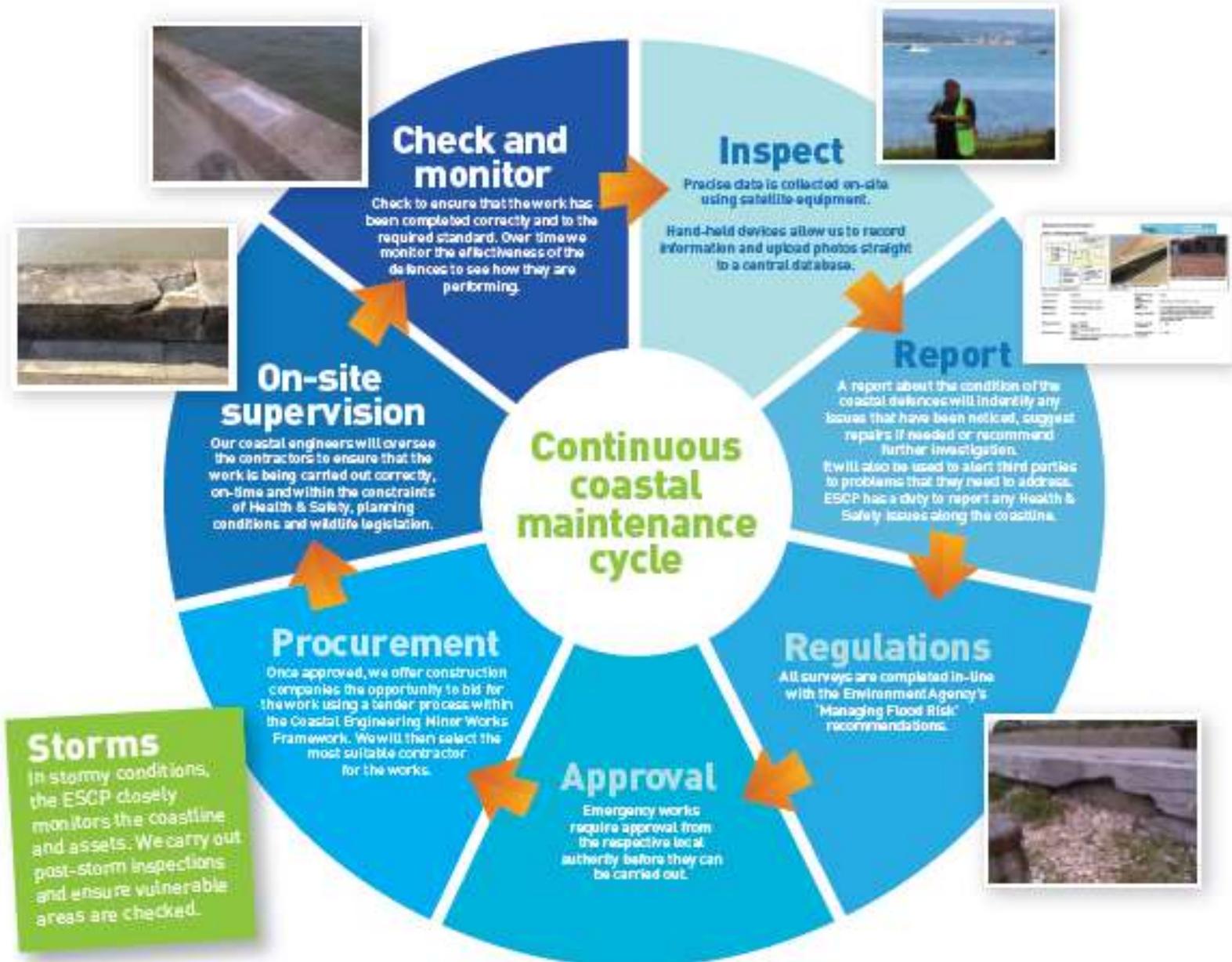
Open Coast BMP

SMZ 2

Hook Lake

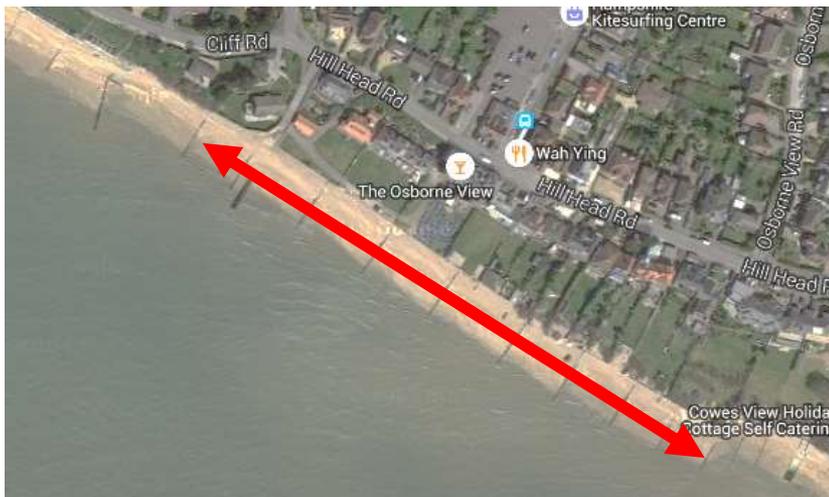
Hill Head

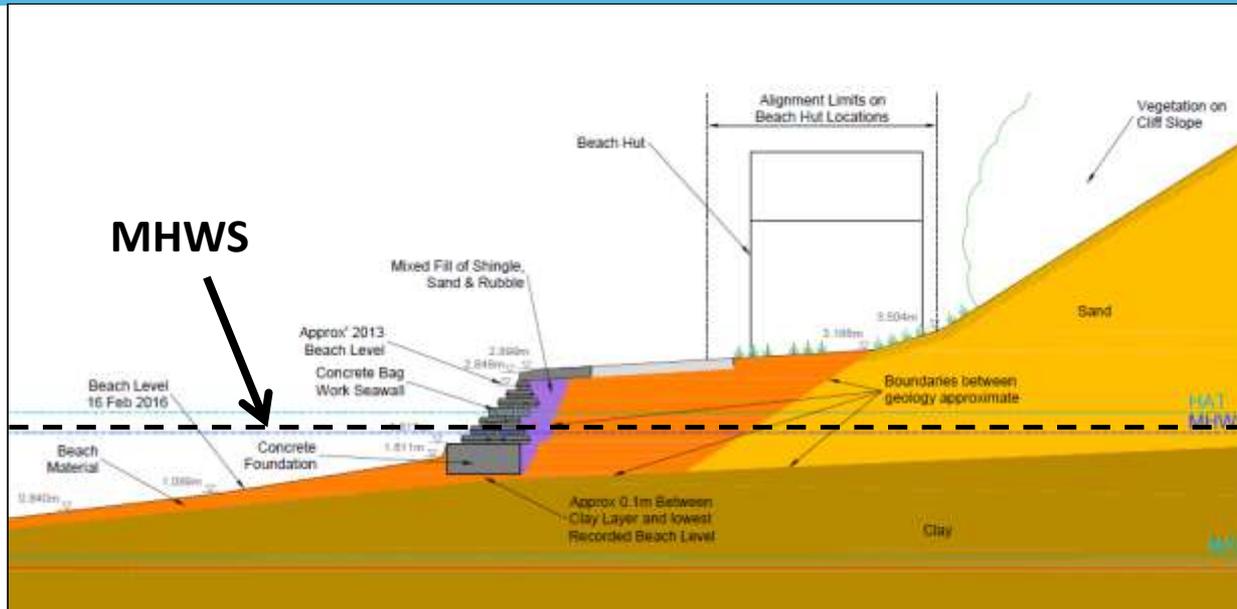
SMZ 3





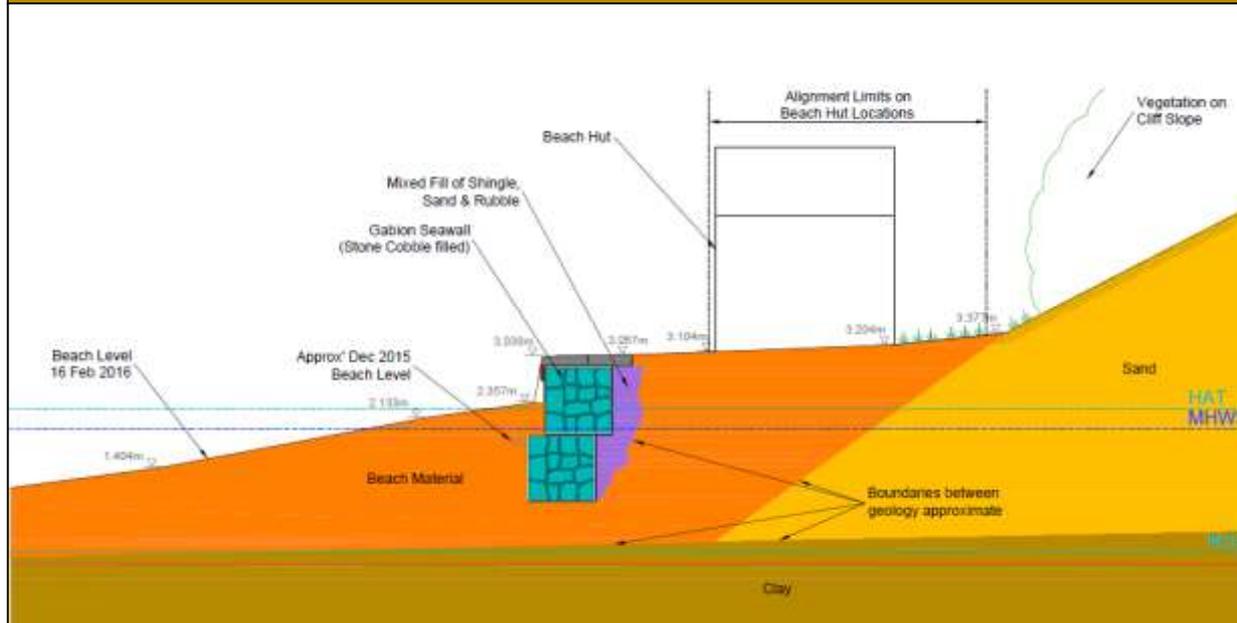
- Flooding to 10 properties on 15/02/15 following a sequence of storms.
- ESCP fast tacked design & funding application
  - Groyne works £30k
  - Shingle import £97k-205k.
- £7k raised by local community.
- EA funding application declined (via Asset Recovery Programme)
- GiA Funding score of 18%.
- FBC administered EA grants for property flood boards.





## Concrete Bagwork Wall

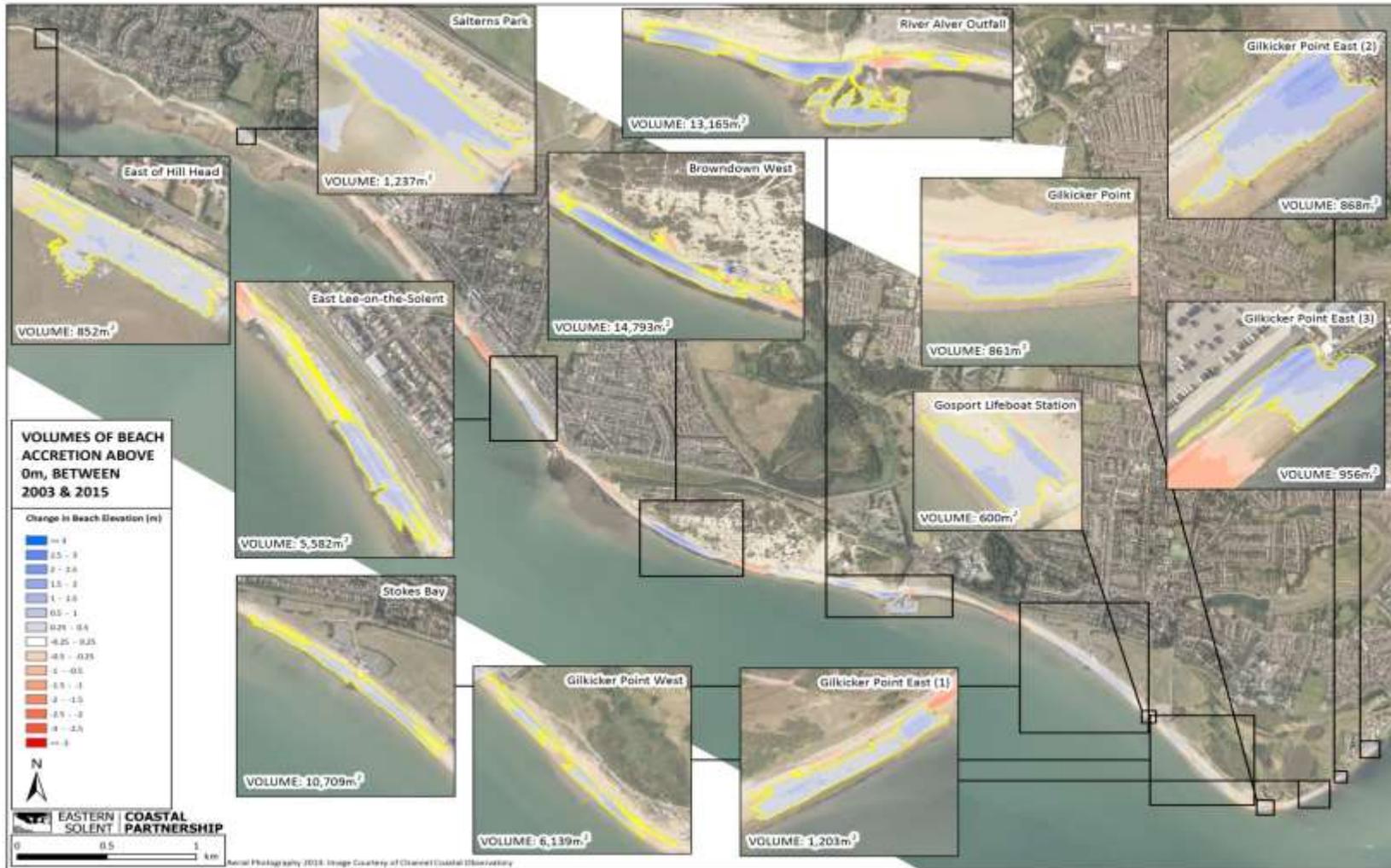
- Aug 2015 beach level 1.6m below 2012 level
- Beach level now 500mm below MHWS



## Gabion Baskets

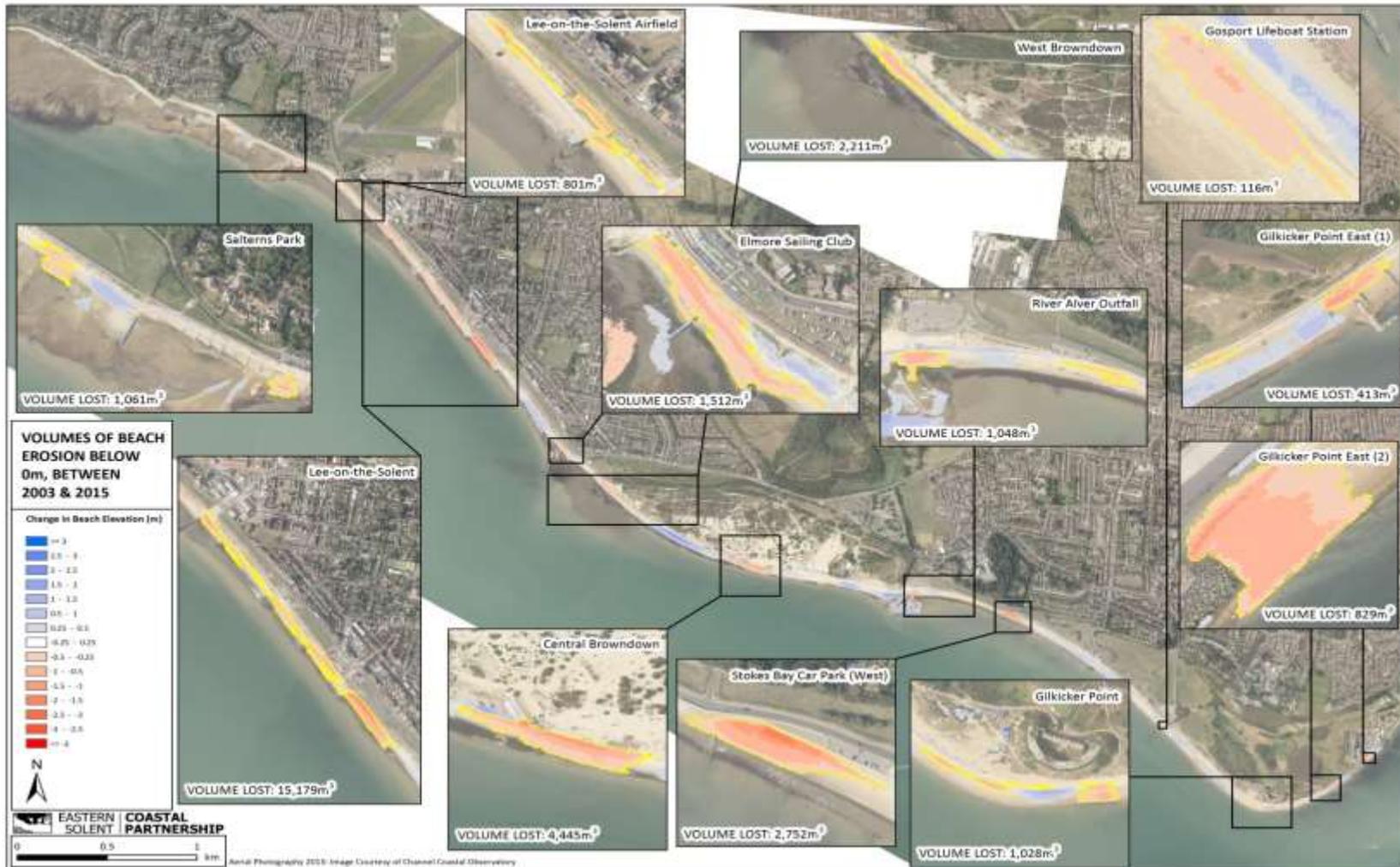


### Deposition areas & quantities





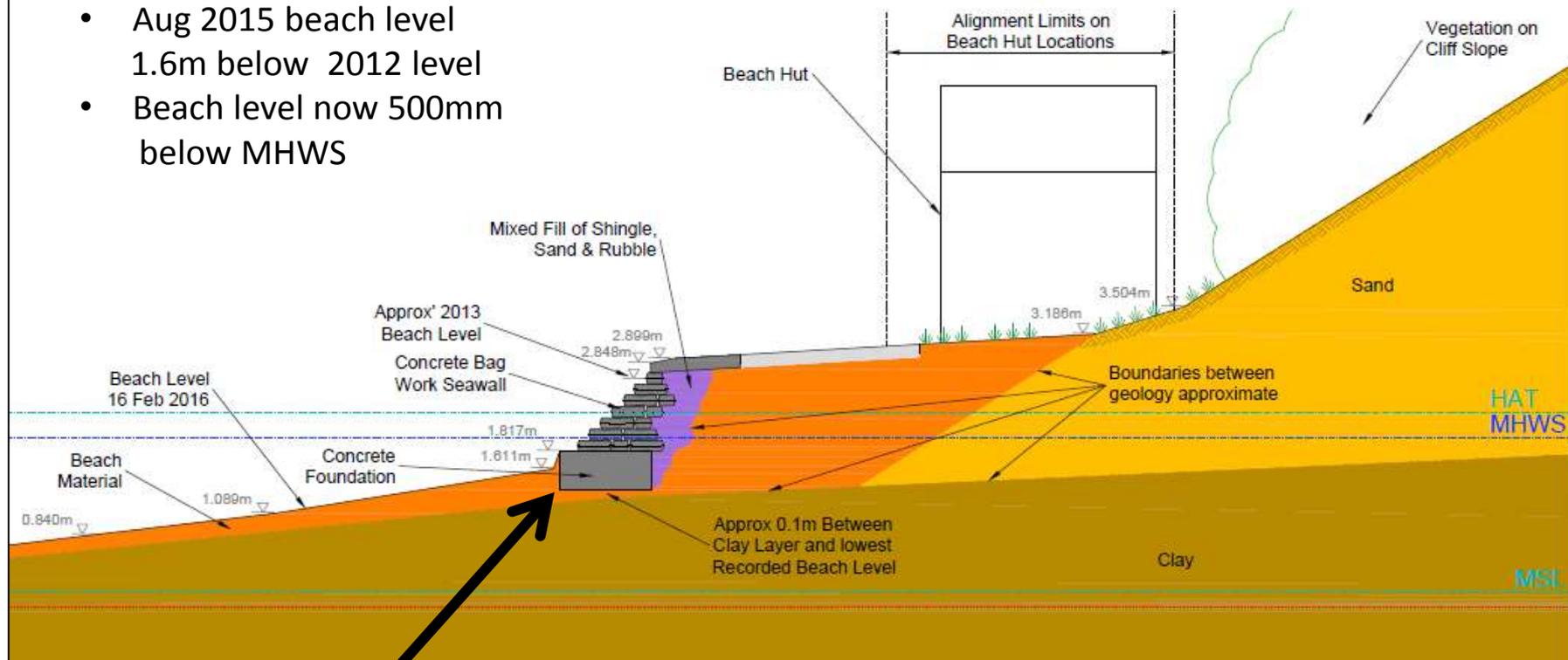
## Erosion areas & quantities





### Concrete Bagwork Wall

- Aug 2015 beach level 1.6m below 2012 level
- Beach level now 500mm below MHWS



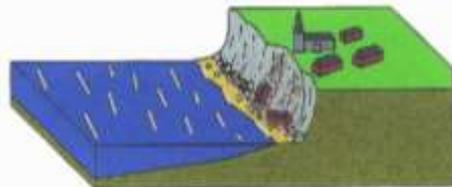
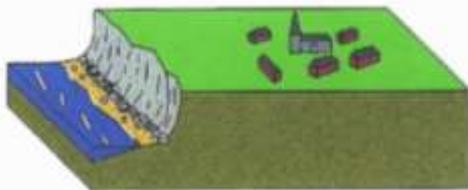
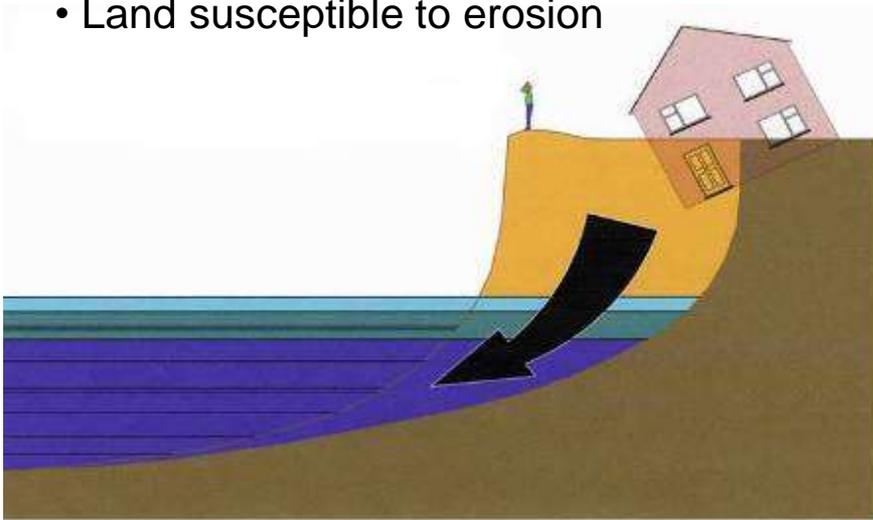
Poor Foundations



# Coastal Responsibilities

## Coast Protection

- Coast Protection Act - Local Authority
- Land susceptible to erosion



## Flood Defence

- Water Resources Act - Environment Agency
- Land Drainage Act - Local Authority
- Low Lying Areas Susceptible to Flooding

