Community Action Team Meeting



Chairman Cllr Arthur Mandry



FAREHAM BOROUGH COUNCIL

Introduction

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

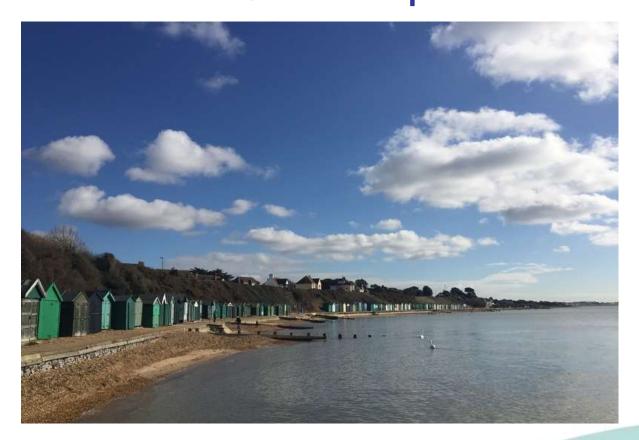


Hill Head Seawall Replacement

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

FAREHAM BOROUGH COUNCIL

Community Action Team Meeting Fareham Borough Council Hill Head Seawall Replacement







Overview



- 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

















The ESCP





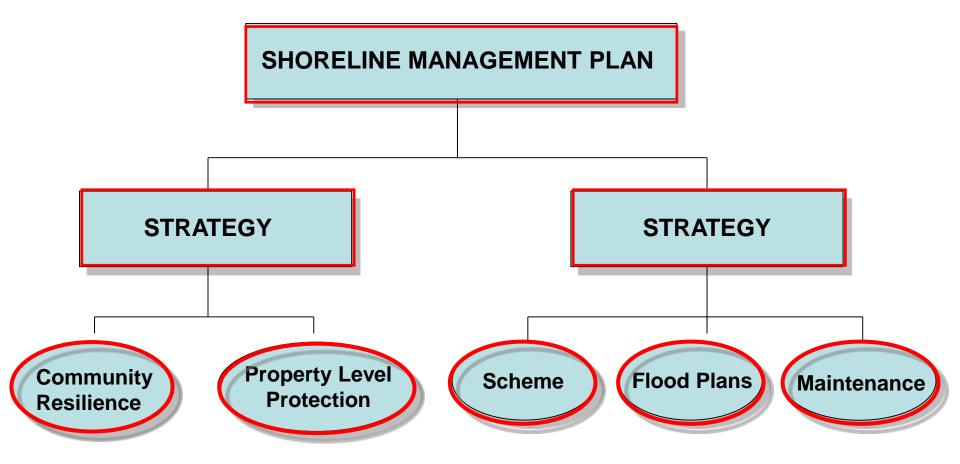
Coastal Responsibilities



- 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 there 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).

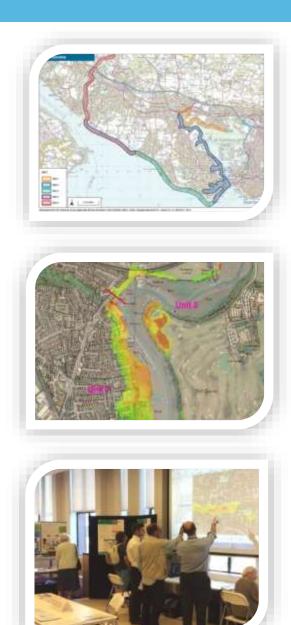


Three Tiered Approach to Coastal Management



Strategy Summary





- 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

The Strategy – Overview

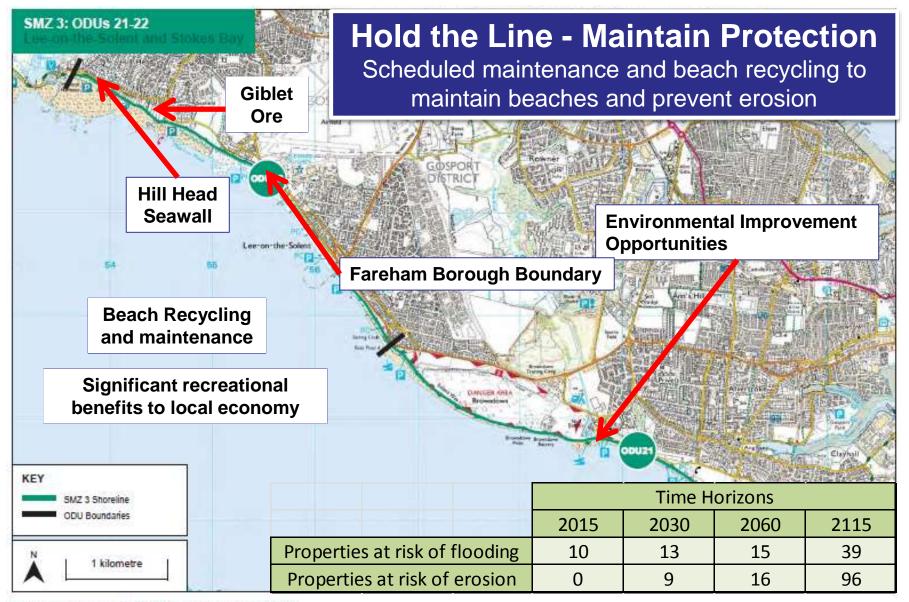




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Adopted Options



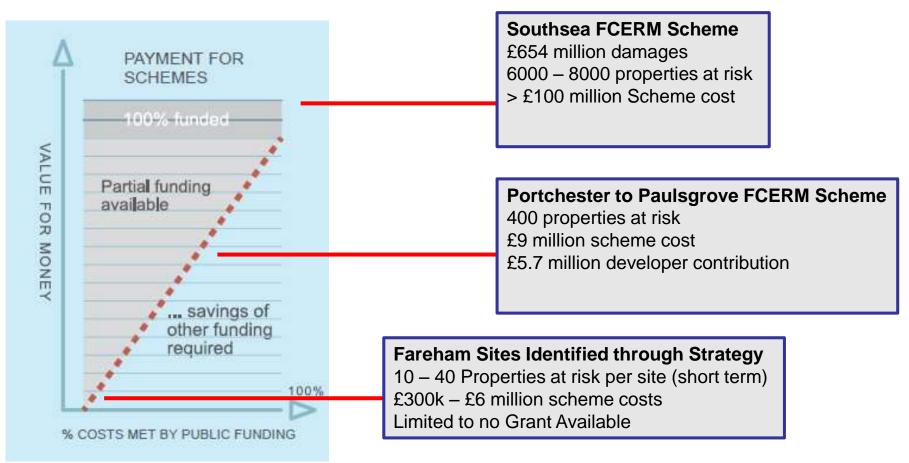


Option Development Units (ODUs) boundaries in SMZ 3

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



Coastal Processes

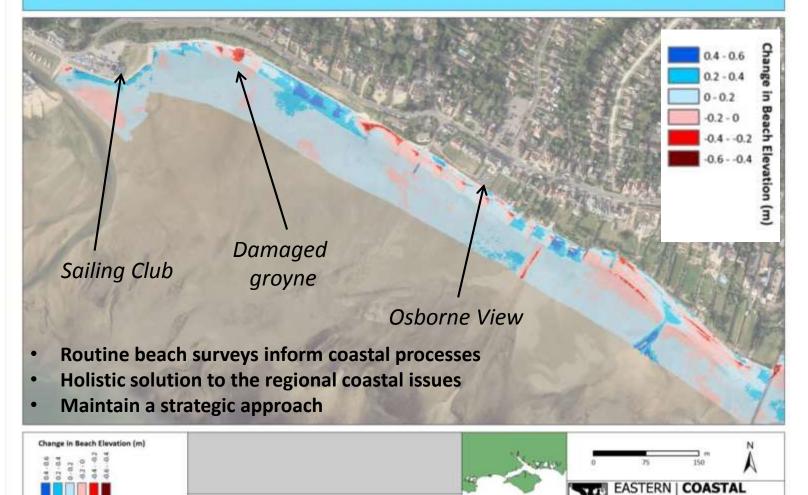


BEACH DIFFERENCE PLOTS: 2003 TO 2015



SOLENT

PARTNERSHIP



Aerial Photography 2013: image Courtesy of Channel Coastal Observatory

Winter Storms 2015









Hill Head Past Issues





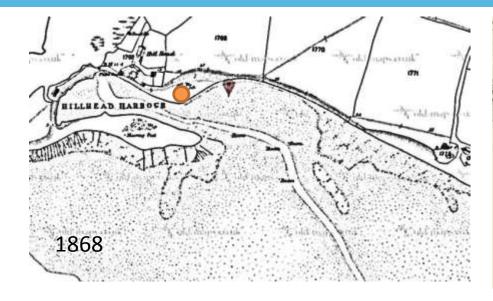
working together - protecting our coastline



EASTERN | COASTAL SOLENT | PARTNERSHIP

Hill Head Coastline Evolution









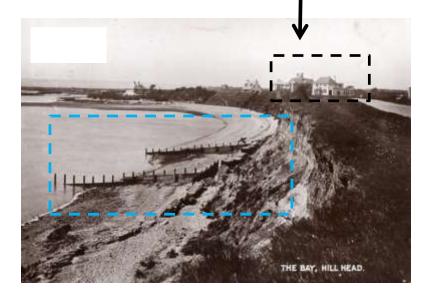


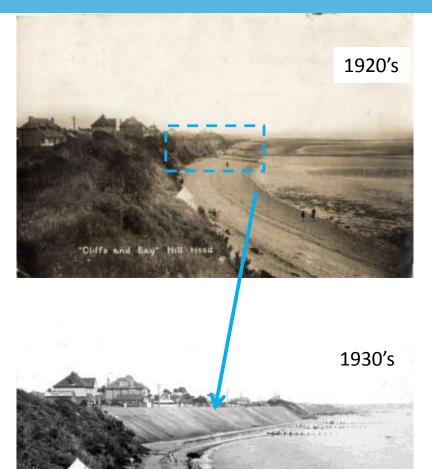
Our Dynamic Coast





Same location 10-20 Years apart





HEAD

Promenade Failure



2005



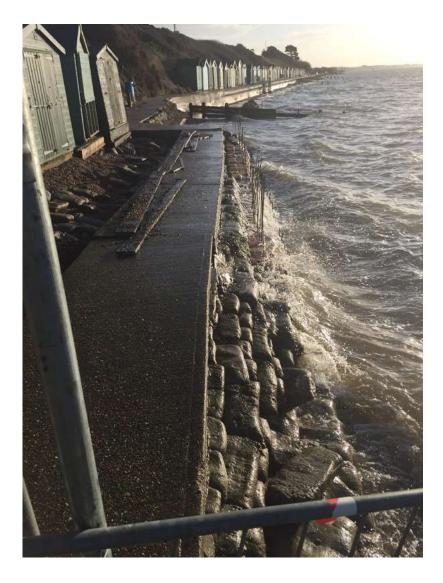
2012



January 2016

Securing the Prom









Beach Clean









Hill Head Seawall Replacement

Fareham Borough Council Objectives





"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.

working together - protecting our coastline



EASTERN COASTAL

Considerations



ENVIRONMENTALLY DESIGNATED SITES

HILL HEAD TO GILKICKER POINT



Considerations



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





Proposed Phase 1 Beach & Timber Works







- 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







	2016								2017												
	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov
Set project objectives																					
Long list to preferred option					*																
Pre design Ground investigation phase																					
Screen and scope for EIA																					
Screening & Scopining opinion by MMO																					
Procure designer																					
Design period phase																					
Prepare EIA, Planning & other consents																					
Consents Application consideration													•								
Contractor procurement																					
Discharge planning conditions																					
Construction period																					
Overwintering birds period																					

★ Funding approvals & consents

Summary





- 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.

Questions





Contact us

East Solent Coastal Partnership

Website: <u>www.escp.org.uk</u> Email: <u>info@escp.org.uk</u> Telephone: 02392 446 013

Fareham Borough Council

Website: <u>www.fareham.gov.uk</u> Email: <u>customerservices@fareham.gov.uk</u> Telephone: 01329 236 100

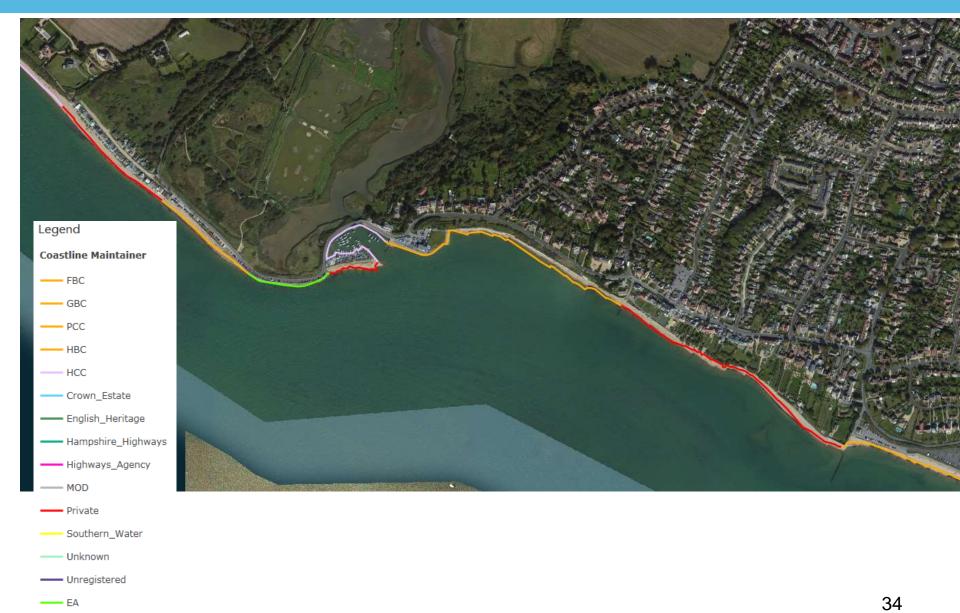
FAREHAM BOROUGH COUNCIL



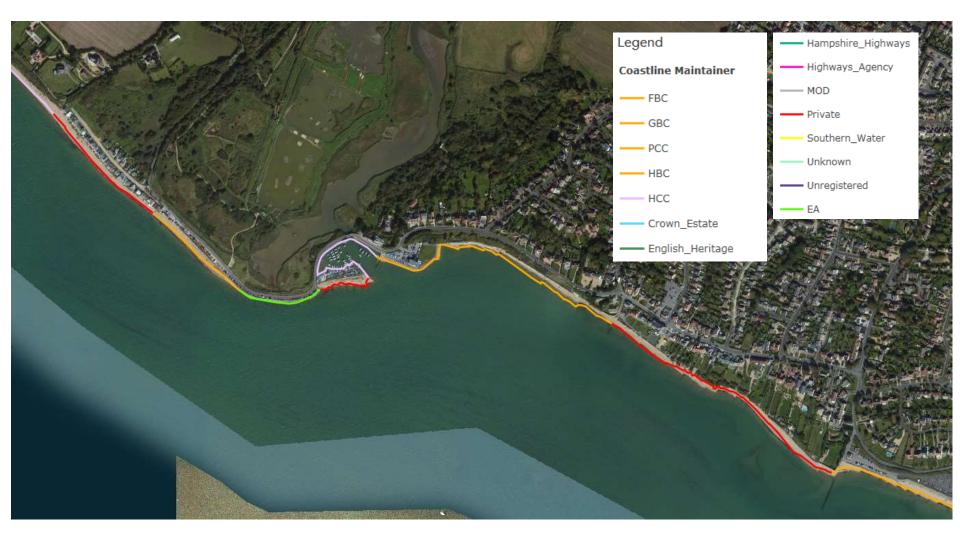
SUPPORTING SLIDES

Coastline Maintainer









Background



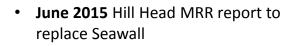
 2005 Bagwork Wall and adjacent -Promenade failure







- 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



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





Hill Head Project Location





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 WalF and adjacent Promenade failure, similar location to 2005





Key Fareham Sites





Maintenance





Check and monitor

Check to ensure that the work has been completed correctly and to the required standard. Over time we monitor the affectiveness of the defences to see how they are performing.



Inspect

Precise date is collected on-site using satellite equipment.

Hand-held devices allow us to record information and upload photos straight to a central database.



On-site supervision

Our coastal engineers will oversee the contractors to ensure that the work is being carried out correctly, on-time and within the constraints of Health & Salety, planning conditions and wildlife legislation.

Continuous coastal naintenance cycle

A report about the condition of the coactal defances will indentify any issues that have been noticed, suggest repairs if needed or recommend further investigation. Rwill also be used to alert third porties to problems that they need to address. ESCP has a duty to report any Health & Safety issues along the coastiline.

Report

Procurement

Once approved, we offer construction companies the opportunity to bid for the work using a tender process within the Coastal Engineering Niner Works Framework. We will then select the most suitable contractor for the works.

Storms

It stormy conditions, the ESCP closely monitors the coastline and assets. We carry out post-storm inspections and ensure vulnerable areas are checked.

Once approved, we offer cons

Approval

Emergency works require approval from the respective local authority before they can be carried out.

Regulations

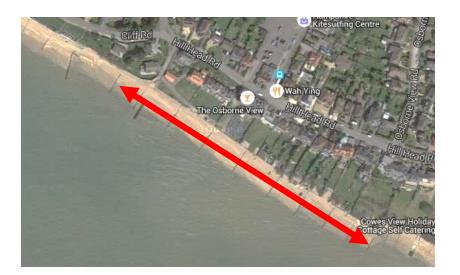
All surveys are completed in-line with the Environment Agency's Managing Flood Risk' recommendations.



Giblet Ore / Osborne View Summary



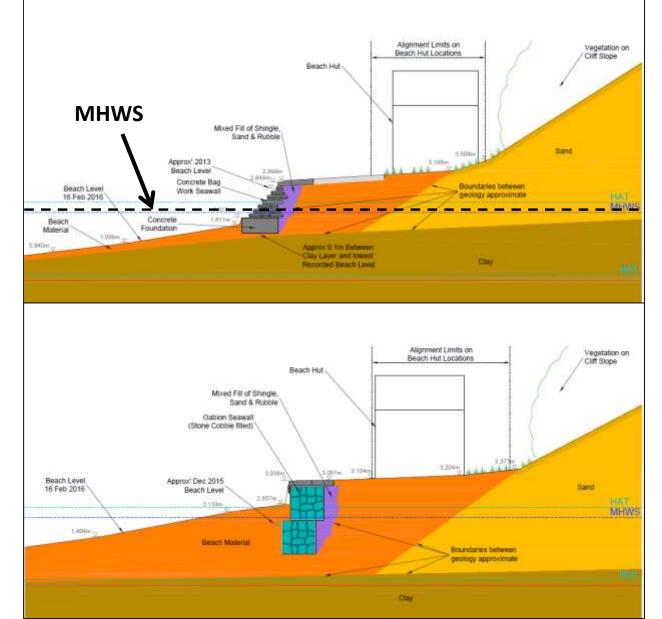




- Flooding to 10 properties on 15/02/15 following a sequence of storms.
- ESCP fast tacked design & funding application
 - Groyne works £30k
 - Shingle import £97k-205k.
- £7k raised by local community.
- EA funding application declined (via Asset Recovery Programme)
- GiA Funding score of 18%.
- FBC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

Existing Defence Cross Sections





Concrete Bagwork Wall

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

Gabion Baskets



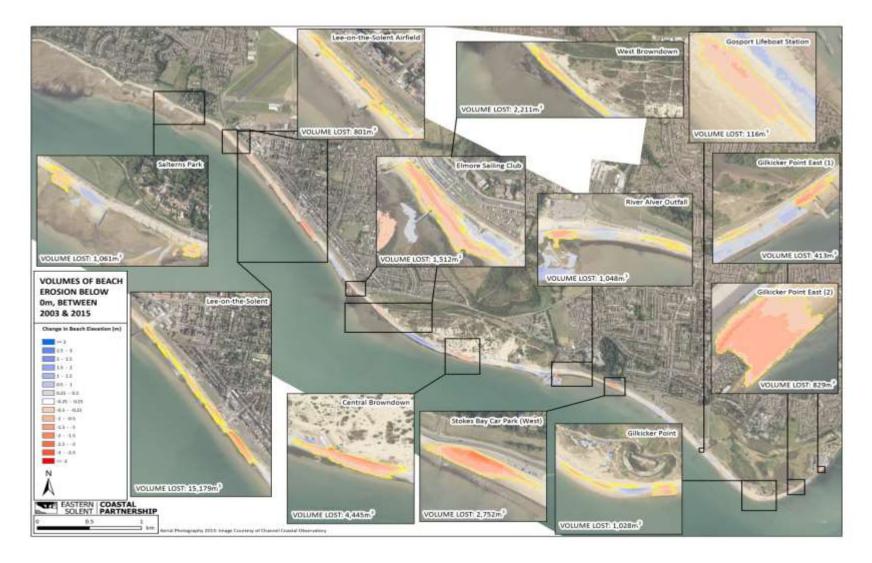


Deposition areas & quantities



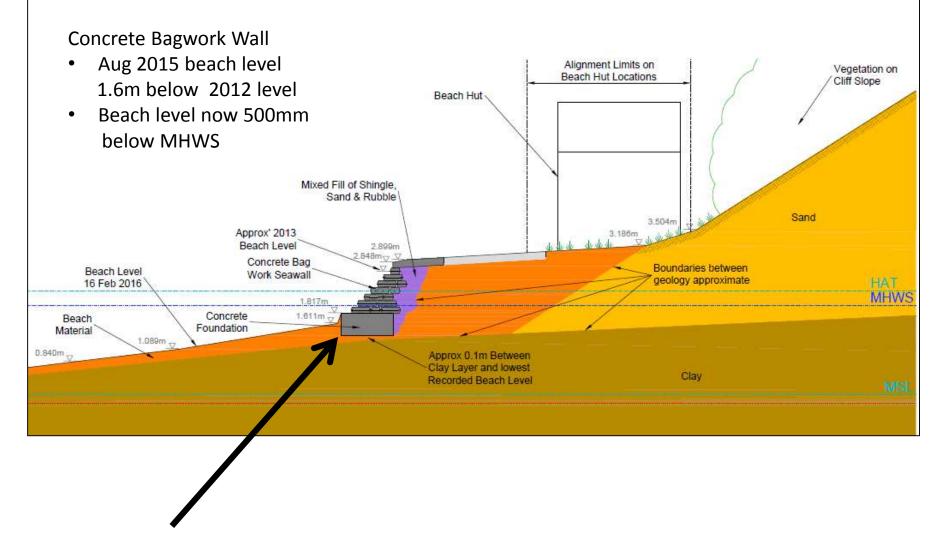


Erosion areas & quantities



Existing Defence Cross Sections





Poor Foundations

Securing the Prom

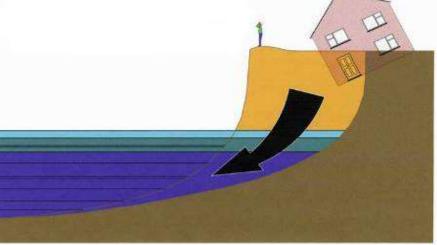


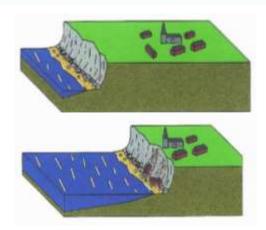


Coastal Responsibilities

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

