

- ENVIRONMENT & SUSTAINABILITY
OVERVIEW & SCRUTINY PANEL

New Forest District Council Flood & Coastal Erosion Risk Management



Steve Cook
Service Manager Coastal

The Teams

*Steve Cook
Service Manager*

NFDC Coastal Team

*Channel Coastal
Observatory - NOC*

*Pete Ferguson
Carol Whitfield
Dave Robson
Catherine Eastick
Judith Lacey*

Dr Charlie Thompson

*Coastal Process
Scientists x9*



Service Overview

Coastal Team

Deliver maintenance programme

Flood & Coastal Erosion Risk Management (FCERM) activities:

- Shoreline Management Plans
- Strategy Studies
- Promote & deliver capital projects through the Environment Agency

Beach hut management

Maintenance works relating to beach hut sites

Coastal Safety

- Life rings
- Signage

Coastal Related Enquiries

Channel Coastal Observatory

Southeast Regional Coastal Monitoring Programme

Coordination of National network of regional coastal monitoring programmes for England

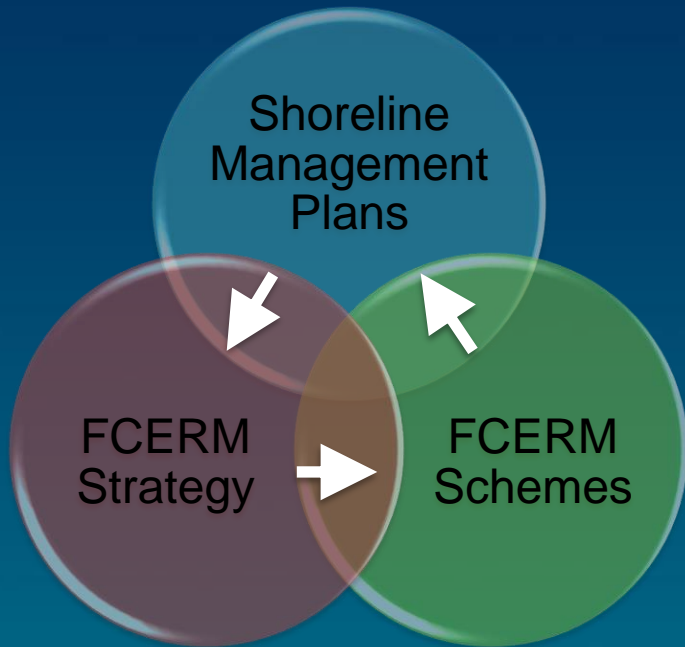
Host to National Coastal Data Archive

Provide advice & guidance to Coastal Authorities

Coastal Defences Overview



FCERM Relationship to Plans



National Flood & Coastal Erosion Risk Management Strategy for England (2021)

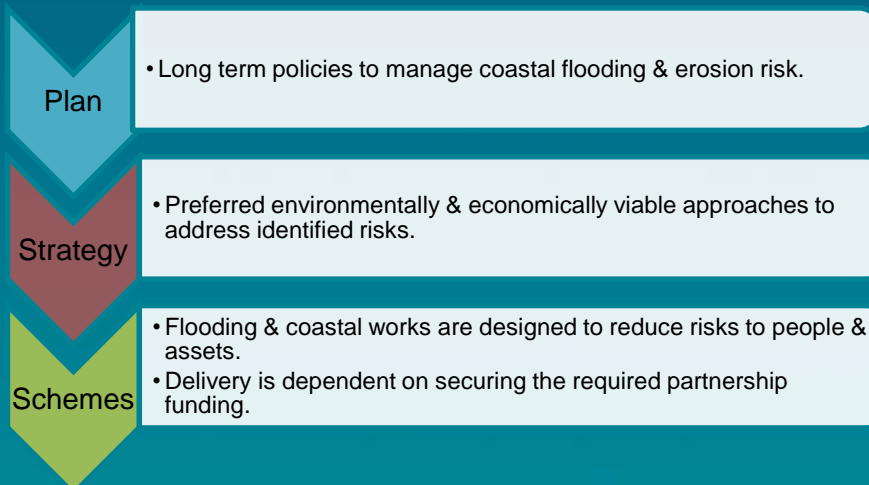
North Solent Shoreline Management Plan (2010)

Poole & Christchurch Bays Shoreline Management Plan (2011)

Christchurch Bay & Harbour FCERM Strategy - in development (2023)

Hurst to Lymington FCERM Strategy – in development (2023)

Hurst Spit Beach management Plan







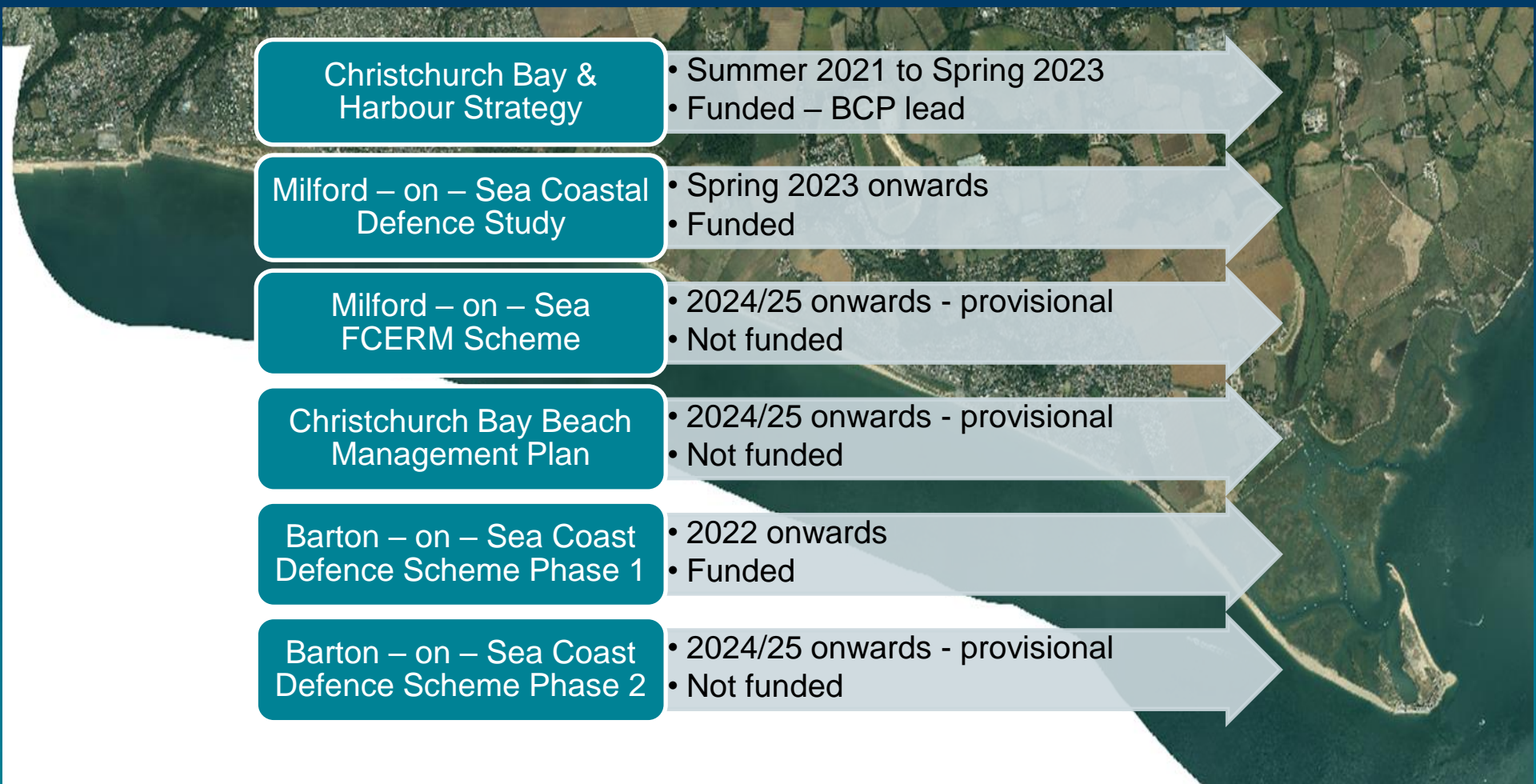


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FCERM Programme – Christchurch Bay



Christchurch Bay & Harbour Strategy

- Summer 2021 to Spring 2023
- Funded – BCP lead

Milford – on – Sea Coastal Defence Study

- Spring 2023 onwards
- Funded

Milford – on – Sea FCERM Scheme

- 2024/25 onwards - provisional
- Not funded

Christchurch Bay Beach Management Plan

- 2024/25 onwards - provisional
- Not funded

Barton – on – Sea Coast Defence Scheme Phase 1

- 2022 onwards
- Funded

Barton – on – Sea Coast Defence Scheme Phase 2

- 2024/25 onwards - provisional
- Not funded

FCERM Programme – Hurst Spit

North Point Recycling

- Spring 2022
- Not funded

Hurst Spit to Lymington
Strategy Study

- Autumn 2021 to Summer 2023
- Funded – EA lead

Hurst Spit Shingle Source
Study

- Autumn 2021 onwards - provisional
- Not funded

Hurst Spit Beach
Management Plan
Refresh

- Spring 2023 onwards - provisional
- Not funded

Hurst Spit BMP Works

- Winter 2022 onwards
- Not funded

FCERM Programme – Southampton Water Frontage

Hythe Centre
Watercourse

- Spring 2022
- EA project

Lower Totton
FAS

- 2023/24 onwards
- EA project

Hythe
Coastal FAS

- 2023/24 onwards
- EA project

Marchwood
Fluvial FAS

- 2024 onwards
- EA project

FCERM Programme

	21/22	22/23	23/24	24/25	25/26	26/27	27/28 onwards	Total
NFDC Scheme Value	£ 587,500	£ 123,000	£ 310,000	£ 1,460,000	£ 6,255,000	£ 2,460,000	£ 4,030,000	£ 15,225,500
Coastal Monitoring Programme	£ 1,265,000	£ 1,189,000	£ 1,082,000	£ 1,096,000	£ 1,320,000	£ 1,083,000	£ -	£ 7,035,000
EA Scheme Value	£ 191,425	£ 1,138,979	£ 3,408,977	£ 5,412,302	£ 4,622,158	£ 2,814,288	£ -	£17,588,129
Business Cases	2	0	1	2	1	0	1	8

- NFDC schemes – funded via FDGiA and partnership funding
- Coastal monitoring – 100% funded via FDGiA
- EA schemes - funded via FDGiA and partnership funding

Existing Defences - Barton



Rock revetment & strongpoints
Cliff drainage



Existing Defences - Milford

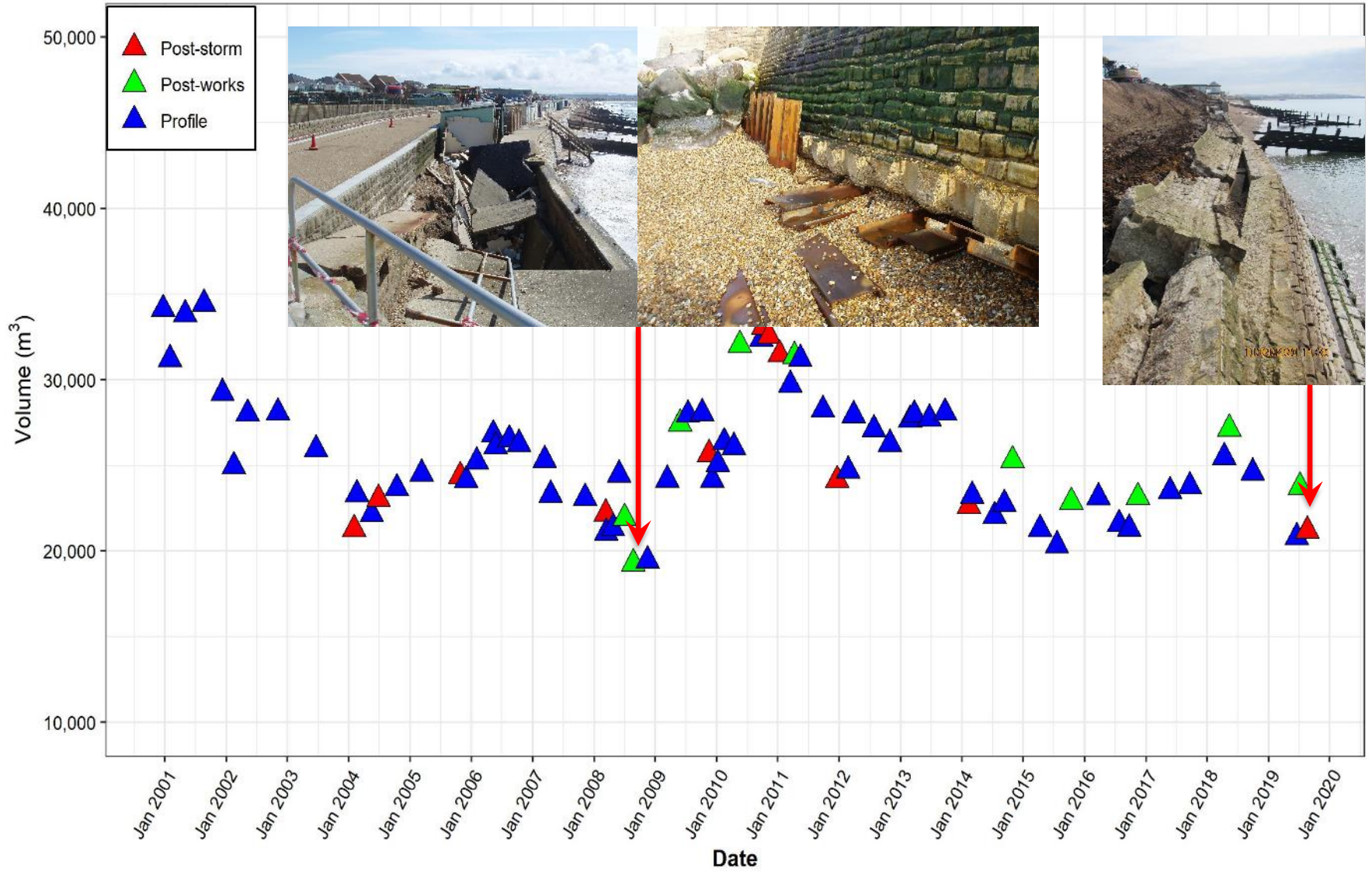


Rock revetment, seawalls,
timber groynes & beaches

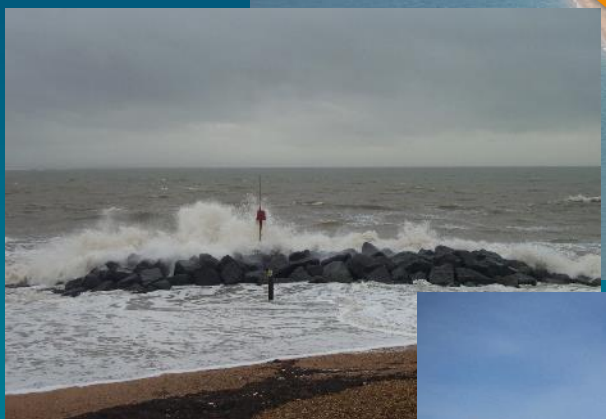


Milford-on-Sea (5f00068-5f00081)

Comparison of surveyed volumetric change above MLWS (-0.7m OD)

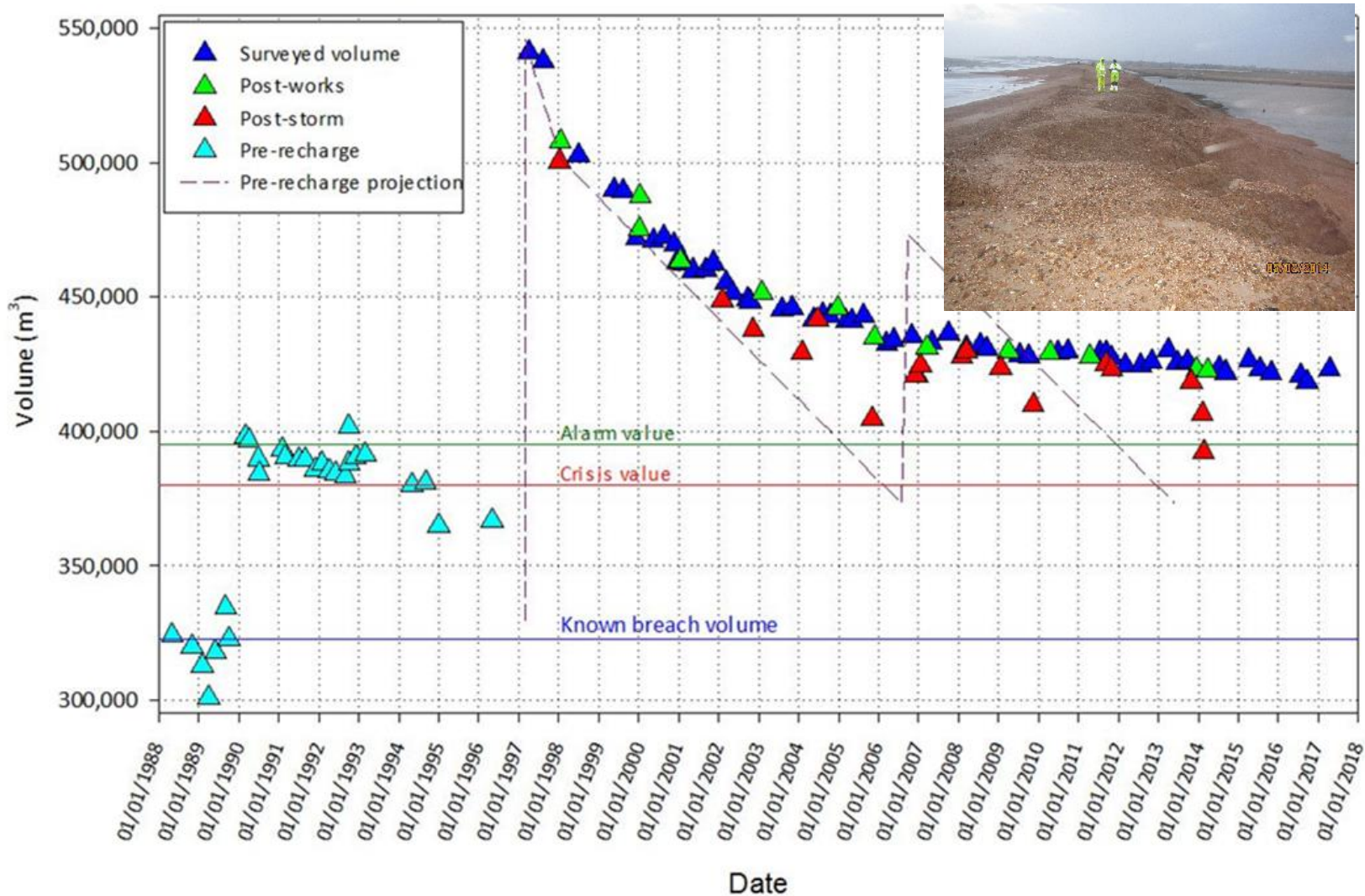


Existing Defences – Hurst Spit



Hurst Spit (HU20-HU6)

Comparison of surveyed and projected volumetric change above MLWS (-1.13m OD)



Existing Defences – Calshot



Future Challenges

- Aging defences & Reducing Beach Levels
 - Seawalls are around 60 years old
 - Working with BCP to identify sediment sources
- Climate Change
 - Increased wave height
 - Increased number of storms throughout the year
 - Sea level rise
 - Increased rainfall and intensity
- Resourcing
 - Significant forward programme of projects
 - Limited staff resource to deliver
 - Possible funding through capital projects
- Funding
 - Limited maintenance budget
 - How to support projects through partnership funding
 - Consider opportunities to generate income, such as:
 - Concessions
 - Additional beach huts
 - Levy – on licence fees

Questions?

