



Selsey Town Hall

14 June 2022

University of Southampton
Faculty of Environment & Life Sciences



University of Brighton

Centre for Aquatic
Environments



University of
Southampton



Channel
Coastal
Observatory



MULBERRY
MARINE EXPERIENCES



Manhood
Peninsula
Partnership





Welcome and Introduction

Jane Cunningham

MPP Project Officer, Chichester District Council



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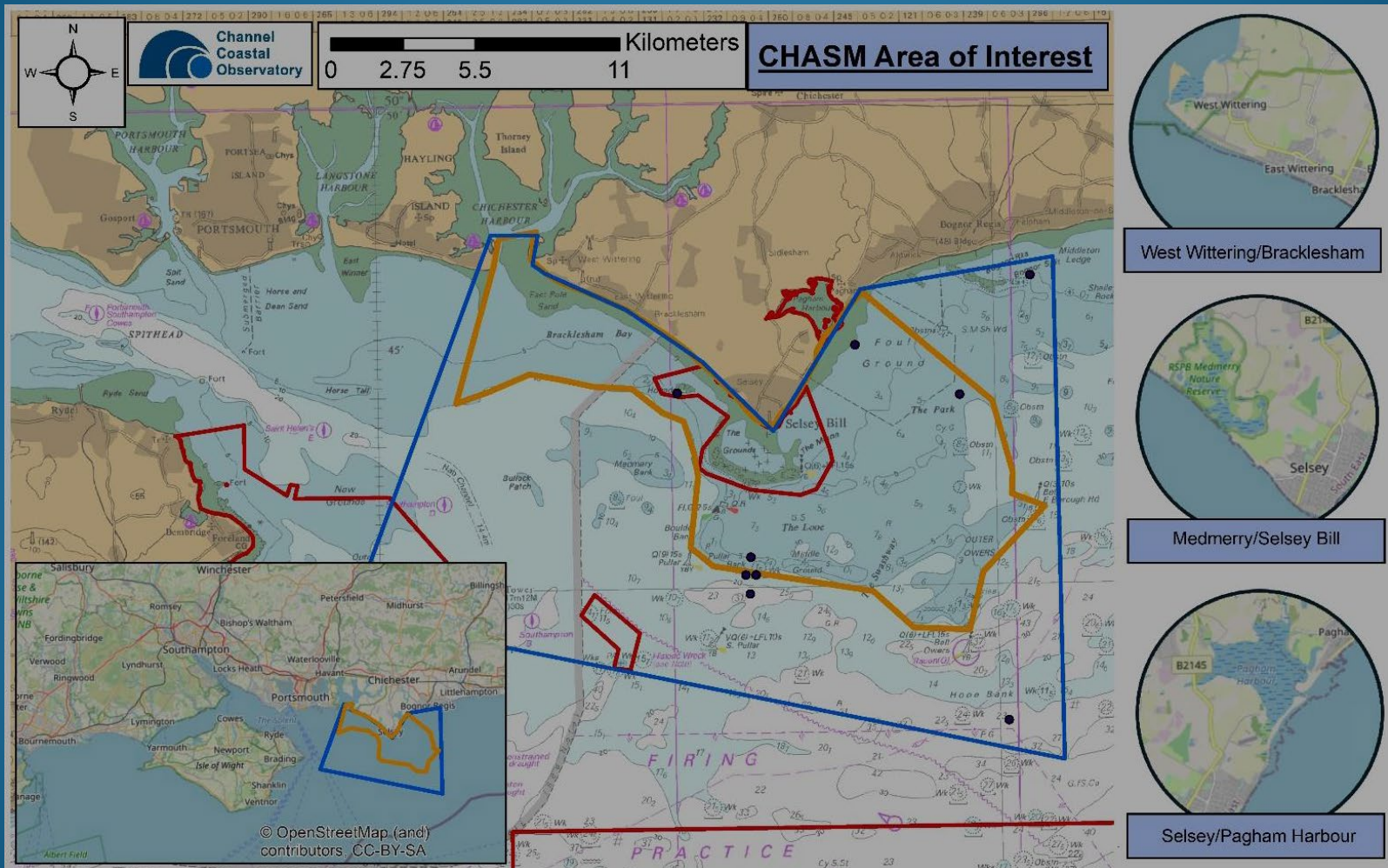
Manhood
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CHASM: Crustaceans, Habitat And Sediment Movement

The fishermen's questions

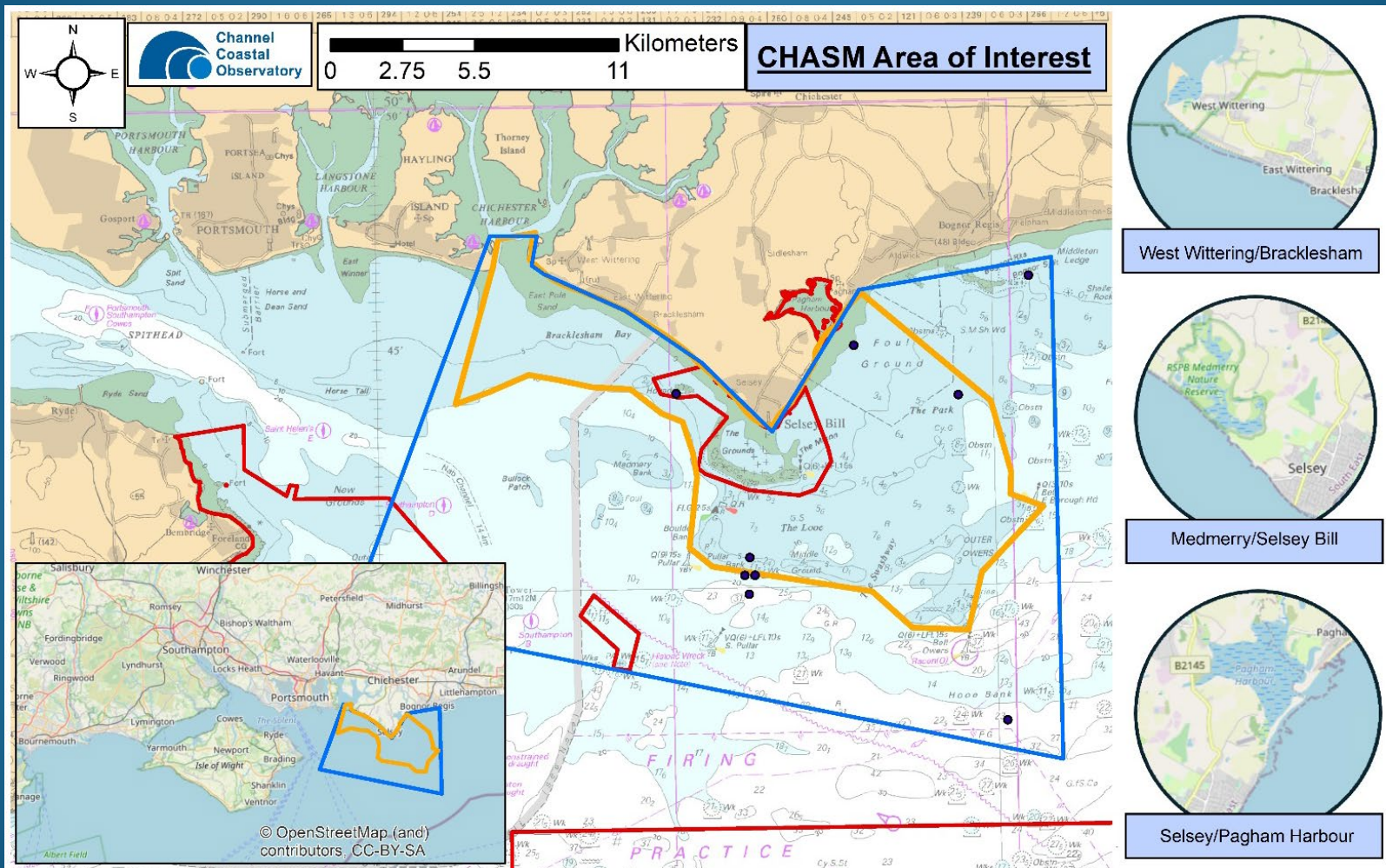
- Why are there so few crabs and lobsters?
- Why is there so much sediment?



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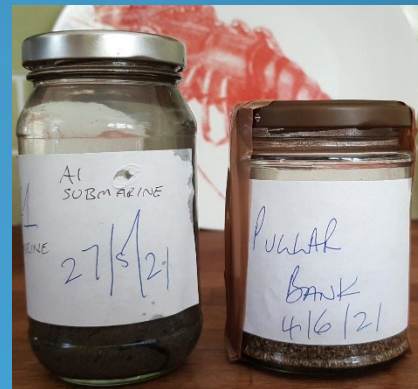
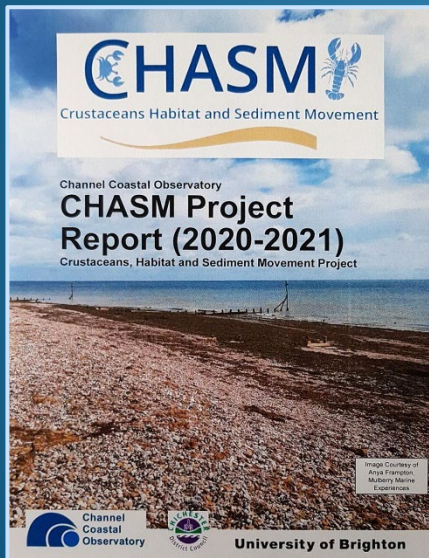
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Delivered or in progress:

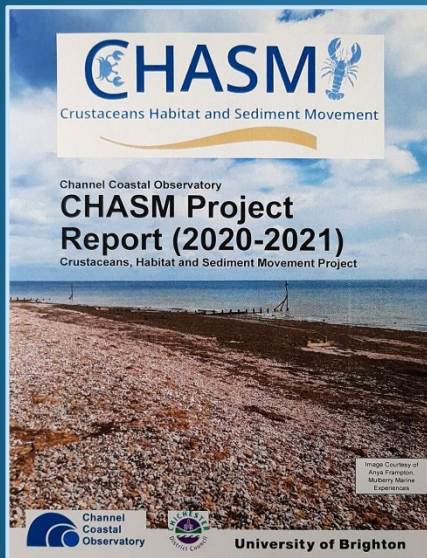
- CCO and Brighton University: CHASM Report 2021: evaluation of past events, sediment analysis
- Cefas: crab analysis – paramoebiasis
- Environment Agency Sonde: Temperature, Conductivity, Dissolved Oxygen, Turbidity and Chlorophyll
- Engagement: Logo competition; Mulberry-ME – local schools



CHASM Report – Yr 1

Key long-term aims of the CHASM project:

1. To understand the environmental, physical and climatological changes that have taken place in the Selsey crab and lobster fishing grounds
2. To determine whether the marine environment and fishing grounds have been impacted by recent environmental inputs.
3. To understand whether the negative effects on the Selsey fishing industry can be mitigated.
4. To gain greater support and understanding of the marine environment from local communities, visitors and authorities by improving understanding of the benefits and challenges of the open coast through partnerships and education programmes onshore and underwater.
5. Develop affiliations with other local initiatives including the Selsey Bill and the Hounds MCZ, the Sussex Kelp Restoration Project, CHaPRoN and Sussex Bay.



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Into the future:

- Universities: new MSc and BSc students spring and autumn 2022
- Preliminary analysis of 160 pharmaceutical and pesticide compounds
- Sediment core sample
- Use of satellite imagery for sediment plume monitoring - ongoing
- Sonde and telemetry unit on West Pole, and sonde in Chichester Harbour.

Special thanks to:

- F Glenister Woodger Trust; Chichester Harbour Conservancy – Chichester Harbour
- Sussex Kelp Restoration Project; Environment Agency – West Pole



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...working to ensure that restorative measures
are based not on theory but facts



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