

The Crustaceans Habitat and Sediment Movement Project

CHASM is a community driven project created to better understand changes to the Selsey Bill, West Sussex fishing grounds that have led to reduced catches of lobster and crab, and influxes of sediment.

The project aims to:

- understand the environmental, physical and climatological changes around Selsey Bill, their causes and drivers;
- determine potential impacts on the fishing grounds;
- consider mitigation work to facilitate future sustainability;
- Develop support and understanding from local coastal communities, visitors and managers through partnership and education;
- Develop close links with other local projects.

For more detail, please visit

<https://peninsulapartnership.org.uk/projects/chasm/>



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Strategic Coastal Monitoring

The Southeast Regional Coastal Monitoring Programme, led by the Channel Coastal Observatory, provides targeted, informed, standardised, efficient and freely available data on coastal change as part of the National Network of Regional Coastal Monitoring Programmes.

Now in its 20th year, CCO provides long term coastal and nearshore monitoring data to underpin Flood and Coastal Erosion Risk Management and beyond.

www.coastalmonitoring.org

Data and Services Include: Hydrodynamics (waves, tides, meteorology), Topographic Surveys (RTK-GPS, Laser Scan-ning, UAV), Bathymetric Surveys, Aerial Photography, Lidar, Terrestrial Ecological Mapping, Seabed Mapping, Localised, specialised monitoring (e.g. Cliff Monitoring), Coastal Defence Asset Register, Data Analysis and reporting, Data management, archive and dissemination





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Coastal and Estuarine Research

At the University of Brighton we have a multi-disciplinary team and approach to research and consultancy, focussed on improving understanding of coastal and estuarine environments.

With an understanding of the interconnectivity of the Physical, Biological and Chemical elements of eco-systems and the environments, we offer expertise in the collection and interpretation of data.

Through the deployment of our specialist equipment we can conduct long-term down to snap-shot data collection campaigns. Samples can be analysed on site or taken back to our suit of specialist laboratories for the analysis of biological, geo-chemical and hydro-chemical variables.

www.brighton.ac.uk

Research Includes: Hydro-dynamic and sediment transport and stability; Inter-tidal and sub-tidal geomorphology; Mapping of geomorphological and inter-tidal flora changes following managed realignment; Micro-biology of sub-surface sediment and MIC; Anthropogenic impact on marine fauna and flora; Geo-chemical and dating of sediment cores inter-tidal and sub-tidal to assess eco-system services.



Supporting Research and Engagement

At Mulberry Marine Experiences we are passionate about our oceans and helping everyone engage, experience and enjoy the Marine Environment. We are delighted to part of CHASM supporting scientific study with walks, talks, tours and school programs.

Southsea Sub-Aqua club has a long history of diving the South coast. Many members have witnessed first hand species decline in the Marine Environment. Our club members are deeply passionate about the changes they are seeing and keen to help try to reverse the situation. CHASM is seen by many as a step forward and a turning point in the recovery of species and habitat.

mulberry-me.co.uk

www.southseasubaqua.org.uk



CHASM Mind Mapping

The factors affecting coastal fishing are complex and interdependent. A mind map helps the project team to consider these connections, form research questions and drive the next steps of the research.

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