

Research and analysis: Trialling a new approach to beach replenishment in Poole Bay

The trial tested a new approach to beach replenishment in Poole Bay. The concept was to make use of locally dredged sediment and place it near the shore, allowing the prevailing waves and tidal currents to move material toward and along the beach. A similar approach has been used widely in the Netherlands and more recently in Denmark. The trial was the first of its kind in the UK.

Research and analysis: Understanding the performance of flood forecasting models

Understanding the performance of the flood forecasting models operated in real-time by the Environment Agency, Natural Resources Wales and the national Flood Forecasting Centre is crucial to the informed use of model outputs for flood guidance across England and Wales. It is also essential to guide future strategic investment in flood incident management.

This report presents the results of the first nationwide analysis of the performance of the various flood forecasting models operated by local centres on the National Flood Forecasting System. The analysis is based on Wales and the English geographical regions that align to the old Environment Agency region names.

Research and analysis: Sediment budget analysis: practitioner guide

The Environment Agency has developed a practitioner's guide on sediment budgets. The guide's main aim is to support flood and coastal erosion risk management practitioners by explaining the need for sediment budget analysis and developing best practice in its application. Use of the guide will

provide consistency in the execution and interpretation of sediment budget analysis. It will also help to improve the transparency of decision-making, as the consistent approach will mean stakeholders have greater understanding in the supporting evidence used to calculate a sediment budget.

A sediment budget summarises the balance of inputs and outputs for a defined system (such as an estuary) and time period. This helps determine if a system has an overall surplus (accretion) or deficit (erosion) of material. If the accretion and erosion figures are equal, then the system is considered to be in balance.

[Form: Part RSR-B7: apply to keep radioactive material and accumulate and dispose of radioactive waste following its unintentional receipt](#)

Updated: We have updated application form and form guidance.

You must complete this form to apply to keep radioactive material and accumulate and dispose of radioactive waste following its unintentional receipt.

Refer to the guidance document for help with completing the form.

[News story: Nine beaches designated as bathing waters on the south coast](#)

Beach goers can take to the seas this summer at nine beaches newly designated as bathing waters on the south coast.

Eight beaches in Cornwall, including Booby's Bay and South Fistral, and one in Bournemouth – Manor Steps received their designation today, bringing the total number of designated bathing waters across England to 423.

At designated bathing waters, the Environment Agency help protect the health of swimmers, surfers and other visitors, by testing the water for levels of bacteria and publishing the results online. Across England there are currently 270 bathing waters with "excellent" water quality.

Environment Minister Thérèse Coffey said:

This is great news for anyone who enjoys a trip to the seaside. Britain's beaches are visited around 150 million times each year and the water at these nine beaches, along with more than 400 bathing waters around England, will be tested by the Environment Agency to help protect the health of visitors.

I would encourage everyone to use the online 'Bathing Water Data Explorer' to check the water quality at designated bathing spots before heading out for a dip in the sea.

The eight beaches to be designated in Cornwall will take the number of designated beaches in the county to 89. The newly designated bathing waters in Cornwall are:

- South Fistral beach in Newquay
- Booby's Bay near Trevoze Head
- Mexico Towan, Upton Towan and Godrevy, all situated on a long stretch of dunes in St Ives Bay
- Northcott Mouth beach to the north of Bude
- Gwynver Beach which forms part Whitesand Bay
- Tregonhawke in Whitsand Bay

In Bournemouth, Manor Steps Beach, part of the 15 kilometre coastline of Poole Bay on the Dorset coast, has also been designated as a bathing water.

Beachgoers can find a list of designated bathing waters around the UK and their water quality ratings on the [Bathing Water Data Explorer](#).