

Project Data Sheet

PROJECT

Shellfish Waters Modelling Studies

CLIENT



- Sewerage
- Rivers
- Coastal
- SUDS
- Land Drainage
- Hydraulic Modelling
- Flood Risk Assessments
- Drainage Area Planning
- Asset Management
- Flood Alleviation
- Flooding Investigations
- Feasibility Study
- Drainage Design
- Environmental Aspects
- Inundation Modelling
- Surface Water Management



This major project for Southern Water was undertaken by a team of 3 Consultancies. The Lead Consultant was Black & Veatch Consulting Ltd with Richard Allitt Associates Ltd and Earthtech Ltd acting as sub-consultants.

The designated Shellfish Waters are located along the North Kent coast and along the Solent. The waters are divided by the EA into a series of 'agglomerations'. All the sewerage networks which could potentially spill to the agglomerations or which have continuous discharges (from WwTW's) to the agglomerations were studied.

All the models of the sewerage networks were brought up to a very high standard, where necessary re-verified and where there was significant infiltration the models were also calibrated. The models were then used to run very long simulations covering 15 years and the number and timing of spills was assessed.

Where the current sewerage system, CSO's or WwTW's did not comply with the spill frequency requirements of the Shellfish Waters Directive appropriate solutions were developed and costed.

This project was completed in 2003.



Richard Allitt Associates Ltd
Suite 3, The Forge Offices,
Cuckfield Road,
Staplefield, Haywards Heath,
West Sussex, RH17 6ET

Tel: 01444 401840
Fax: 01444 401940

www.raaltd.co.uk