

FLOOD RISK AND WATER MANAGEMENT

As a society, everything that we do revolves around water and the water environment. Our experts have deep knowledge and understanding of the potential intricacies and interrelationships within the water environment – especially in relation to ecology, land quality and drainage.

At RPS we offer a range of bespoke services to meet the need of a project, from simple site-specific flood risk assessments to national, strategic and catchment wide flood management strategies informing local and national government decision making and policies. We advise on sustainable drainage and provides engineering solutions to complex flooding problems.

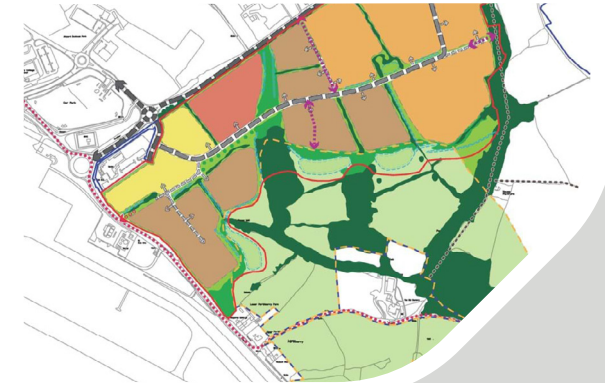
Our expertise

Our specialist hydrological services include:

- Flood risk assessment and management plans
- Strategic flood risk assessments
- Water and Nutrient Neutrality Assessments / Advice / Solutions
- Due diligence assessments for land acquisitions
- Flood risk sequential and exceptions tests for planning applications
- Rainfall run-off modelling
- SuDS drainage design
- Surface water, network and pluvial flood mapping
- 1D/2D river and estuarine modelling
- 2D/3D coastal modelling
- Flood mitigation, alleviation design and validation
- Asset condition assessments
- Burst analysis



**Myton Green,
Warwick**



Parc Busnes Porth Cymru



**30 Causeway,
Lakeside**



**Race Bank offshore
wind farm**

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