



Working
with you

Delivering local flood
risk management

Halcrow



At Halcrow, we understand the challenges you face

The Flood and Water Management Act 2010 and Flood Risk Regulations 2009 have placed new responsibilities for Lead Local Flood Authorities (LLFAs) to manage flooding from local sources.

We know that delivering these requirements will be challenging and this is where we can help. We understand that every LLFA is unique and we can tailor our work to meet your specific needs.

Whatever the challenge, working with you, we can develop solutions that will work for your authority.

Contact us to find out more:

Martyn Brooks
Marketing director
(Local Authorities)
t: 01793 816554
e: brookesm@halcrow.com

Luke Lovell
Flood and water consultant
t: 01793 816621
e: lovelll@halcrow.com

Investigations and asset register

The Flood and Water Management Act introduced the 'duty to investigate' (S.19) and 'duty to maintain a register' (S.21) for LLFAs.

This will require working in partnership to investigate flood incidents, collate asset data, and develop information systems to capture, store and share data with stakeholders and the public.

We can help you to establish processes and collate relevant information using tools such as 'Flood Portal'. This is a simple, purpose built geo-database created by Halcrow, which allows you to capture and manage flood incident and flood asset data.

Sustainable urban drainage

The sustainable drainage approval body (SAB) will become the responsible body for approving, adopting and maintaining SUDS schemes that meet the national standards. There's a need to develop governance and processes with planning departments, to develop the knowledge and skills required to review drainage applications, and to establish how you will maintain SUDS once they are adopted.

We have the expertise, experience and national office network to support you in delivering this new role.

Local flood risk management strategies

A local flood risk management strategy (LFRMS) is required for all LLFAs. **We can work with you** to provide technical advice and support to help deliver a strategy that works for you and your communities.

Our skills include: engaging with the public, establishing and maintaining partnerships, strategic planning, hydrological and hydraulic modelling, engineering design and securing funding. Our experts also understand the wider legislative framework and can help to bridge the gap between local flood risk management and national policy.

Halcrow is also supporting the delivery of LFRMS with other LLFAs, including North Somerset Council and Sheffield City Council.



Ali Cotton

I'm currently working with Gloucestershire County Council on secondment to help deliver their LFRMS.

Being based in their offices enables me to develop a clear understanding of their needs, and support the ongoing partnership with other risk management authorities. As Gloucestershire have been actively involved in the preparation of the local strategy, the sense of ownership will support its effective implementation.



Surface water management plans

Surface water management plans (SWMPs) are a key tool to help LLFAs understand surface water flood risk and develop a long-term plan to manage this risk.

Halcrow produced Defra's national guidance on SWMPs and have now delivered over 15 of these plans, so we know how to **work with you** to get it right.

Flood modelling

As specialists in flood modelling, Halcrow is ideally placed to help you deliver the flood hazard and flood risk mapping required for designated 'flood risk areas' under the Flood Risk Regulations. Our experts can also provide flood modelling training, tailored to your needs, helping to develop the expertise of your own employees.



Shauket Khan



Cheltenham was severely affected by flooding in 2007. Working in partnership with Cheltenham Borough Council, we have successfully delivered schemes that serve to reduce flood risk to the local community.

Drawing on the client's local knowledge and our ability to model local catchment processes, we identified the key sources of flooding in the area. This provided the evidence required to secure internal funding, enabling the studies to progress to appraisal stage.

One scheme was selected for Defra review and provided the opportunity to highlight the collaborative working approach towards flood risk management.

For another scheme, additional funding was required, so we used our knowledge of the new resilience partnership funding guidelines, and our relationships with the LLFA (Gloucestershire County Council) to help Cheltenham secure a significant financial contribution towards the planned future flood mitigation works.






Protecting local communities

At the heart of local flood risk management is the need to improve the level of protection afforded to local communities.

Surface Water Management Plans (SWMPs), local flood risk management strategies and flood risk management plans in 'flood risk areas' all aim to develop sustainable action plans to deliver improved flood protection to local homes and businesses.

At Halcrow, we have the skills, relationships and experience to support you with:



-  investigating causes and potential impacts of local flooding
-  identifying cost effective and environmentally sound flood mitigation options
-  engaging with professional partners and the public
-  securing funding, including opportunities arising from the new outcome focussed, partnership approach to flood risk management funding
-  designing and supervising the construction of new schemes.



Partnership

Sustainability

Team
work

Integrity

Collaboration

Solutions

Flexibility

Expertise

Knowledge

Communication