

Flood Risk Assessment

Flooding is a natural phenomenon which cannot be prevented, however, the impacts can be minimised through flood protection, flood forecasting and assessment of risks. With future climate predictions of more frequent extreme rainfall events, EnviroCentre can provide technical expertise and experience to manage the risk of flooding to protect people and property.

EnviroCentre is fully aware of environmental constraints including new and impending legislation and have provided training and awareness courses on topics including the Water Framework Directive. Working closely with clients and regulators, effective and innovative solutions can be designed to match the needs of individual projects.

Key Services:

- River and Coastal Modelling using advanced software packages
- Flood Impact Assessment
- Flood Mitigation Scheme Design
- Strategic Assessment and Review
- Public Consultation and Facilitation
- Flood Inundation Mapping

Clients:

- Property Developers
- Local Authorities
- Met Office
- NHS
- Waterways Ireland
- ICE.



Key Projects:

- Flood risk assessment and appropriate flood protection/mitigation design measures for a range of developments at risk of flooding
- Chairmanship and technical secretariat for ICE/DEFRA Flood Commission
- Independent review of flood defences in Northampton
- Design of flood alleviation schemes for villages in Aberdeenshire

Related Services:

- GIS Mapping and Support
- Peat Slide Risk Assessment
- Project Management
- Hydrogeological Assessment
- Landfill Design
- Micro-hydro Design and Assessment
- Surface Water Management design and services
- Sediment Transport Studies
- Contaminated Land Investigation and Remediation

