



COLE EASDON
CONSULTANTS

OUR KEY CAPABILITIES

- Road Safety Audit
- Flood Risk Assessment
- Hydrology
- Sustainable Drainage
- Highway Engineering
- Transportation Planning
- Traffic Engineering
- Residential & Development Engineering
- Contract Documentation
- Cost Assessment
- Travel Plans

We seek to adopt a flexible and common sense approach suited to your specific requirements.

From our experience, we have a practical understanding of what targets can be realistically achieved within set timescales and always have our Client's needs in mind with regard to best value.

Please contact us if you would like an informal discussion on your organisation's requirements.

We have expertise in the following sectors:

- Commercial
- Retail
- Education
- Residential
- Sport & Leisure

Cole Easdon Consultants is a well-respected and independent company specialising in civil engineering, highways, transportation, and flood risk assessment. We maintain good relations with local authorities, government agencies, professional organisations and other complementary bodies.

Cole Easdon BMP Limited

Unit 2, York House

Edison Park

Dorcan Way

Swindon

Wiltshire

SN3 3RB

Tel. 01793 619965

Fax. 01793 619967

e-mail: cec@ColeEasdon.com

www.ColeEasdon.com

Incorporated in UK as Cole Easdon Bmp Ltd No 202 7005

Introducing



COLE EASDON
CONSULTANTS

FLOOD RISK ASSESSMENT

Development proposals in areas at risk of flooding must now be accompanied by assessments that quantify the flood risk both to the development, and generated by the development to the local area. They are termed Flood Risk Assessments or 'FRAs' for short.

In many cases, failure to produce a flood risk assessment can be a reason for planning refusal.

Our flood risk assessments are designed to meet the requirements of the industry regulators, and to be appropriate to both the nature of the development and the particular flood risk issues at the site.

We offer various levels of detail suited to your requirements including, for example:

- Scoping Reports
- Full Flood Risk Assessments (FRAs)
- Sustainable Drainage Strategies for large sites
- Review of flood risk assessments
- Strategic Flood Risk Assessments
- Advice on planning applications in terms of flood risk

Flood risk is an important issue that now affects the viability of many development sites. This may be exacerbated in the future if climate change increases river flows to the degree currently expected.

PPG25, DEVELOPMENT & FLOOD RISK

Planning Policy Guidance Note 25 (PPG25), 'Development and Flood Risk', is the key national planning guidance document used to determine planning applications in areas at risk of flooding.

In addition, Local Plans, Strategies and supplementary planning guidance often have specific policies regarding development and flood risk. An understanding of these documents is fundamental to the proper undertaking of a Flood Risk Assessment.





EXPERT WITNESS & LEGAL ADVICE

Our experienced and knowledgeable engineers can provide the role of expert witness at public inquiries. We can prepare evidence to support land and property owners who are worried about developments anticipated on adjoining land. This requires adherence to set procedures and the provision of technical advice to convince local authorities, planners and the Environment Agency.

We are also able to provide advice in support of local campaigns against development in the flood plain.

PERCOLATION TESTING

A percolation test is a soil test designed to evaluate the soil's capacity to accept surface water runoff via a disposal system. CEC arrange for Porosity Testing to be undertaken in compliance with the recommendations of BRE 365.



RIVER CATCHMENT MODELLING

The MIKE 11 computer software provides a versatile and comprehensive approach in river hydrodynamics and environmental river modelling with a wealth of capabilities. It spans the entire range from basic to very complex and advanced modelling, yet maintaining user friendliness and efficiency.

The establishment of an accurate model can provide exact knowledge of anticipated flood levels.



The flexibility and speed of MIKE11 ensures a complete and efficient design environment for all aspects of river engineering. Features, which make MIKE 11 the natural choice of CEC, include:

- flood risk analysis and mapping design of flood alleviation systems
- real-time flood forecasting
- real-time water quality forecasting and pollutant tracking
- hydraulic analysis/design of structures including bridges
- drainage and irrigation studies
- optimization of river and reservoir operations
- dam break analysis
- water quality issues
- integrated groundwater and surface water analysis

WATER COURSES

CEC undertake surveys of ground levels, watercourses, and hydraulic structures within catchments. These topographical surveys are critical for a number of reasons. In terms of environmental quality, agriculture, and hydrology, understanding the topography of an area enables the understanding of watershed boundaries, drainage characteristics, water movement, and impacts on water quality.

OUR SERVICES

It is Cole Easdon Consultants' aim to deliver consistent, high quality, practical advice on time and within budget. We are currently committed to achieving a comprehensive service supported by fully certificated quality assurance procedures conforming to BS EN ISO 9001:2000.

Cole Easdon Consultants specialise in management of the water environment including:

- Flood Risk Assessment
- Strategic level flood risk management
- Planning application guidance and support
- Drainage Strategy Design
- Floodplain mapping
- Hydraulic Modelling
- Drainage Strategies
- Development Guidance
- CAD
- Innovative sustainable urban drainage system design (SUDS)