

Further information:

## Edenvale Young Associates

[www.edenvaleyoun.com](http://www.edenvaleyoun.com)

### Project Contact:

Matthew Fox, Modeller

[matthew.fox@edenvaleyoun.com](mailto:matthew.fox@edenvaleyoun.com)

0117 214 0533

### Project Description number:

EVY0422

### Project Type

Flood Risk/Consequence Assessment

Flood Forecasting

Detailed Design

Calibration & Optimisation

Flood Map Challenges

Scour & Geomorphology

Water Framework Directive

Environmental Impact Assessment

Training

### Key Words:

Training

Model Review

River Modelling (ISIS)

### Client and stakeholders:

Parsons Brinckerhoff

## Five Bridges, Flood Risk Assessment

Edenvale Young were commissioned by Parsons Brinckerhoff to train a member of staff one to one in ISIS modelling, to allow them to undertake modelling of Five Bridges, near Hereford.



*Illustration 1: Hedgerow on informal defence at Five Bridges*

### Project Details

The objectives of the study were:

- To train members of staff in ISIS modelling
- To assist with the modelling process throughout
- To critically review the modelling that was undertaken.

Five Bridges is a small settlement in Herefordshire, which suffers from increasingly regular flooding from the Filly Brook, a tributary of the Hereford Frome.

Parsons Brinckerhoff were requested by Herefordshire

County Council to examine options to reduce the flood risk to the settlement. This led to the training of staff, who ultimately were then responsible for the building of the model for Five Bridges. This was a complex model build which, due to good communication, proceeded at a fast pace. Edenvale Young then reviewed the model that was built, and the options tested, to establish the quality. The outcomes of this review were returned to Parsons Brinckerhoff for them to decide upon the next steps.