

Further information:

Edenvale Young Associates

www.edenvaleyoun.com

Project Contact:

Chris Whitlow,
Director

chris.whitlow@edenvaleyoun.com

0117 214 0530

Project Description number:

EVY0383

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:

Rating Curves

Calibre

NFFS

WEM

Client and stakeholders:

Environment Agency

CH2MHill

River Sowe and Gloucester Ratings and Flood Forecasting



Illustration 1: Stoneleigh HiFlows-UK gauging station

Project Details

The objectives of the study were:

- To develop stage-discharge rating curves for 8 level-only gauges sites in the Sowe catchment and 5 level-only gauges on Gloucester tributaries using model derived data,
- To configure the updated ratings into the NFFS database,
- To produce new MCRM and DODO models for both catchments, and
- To calibrate and verify models produced using the *Calibre* software and rated flows from the

relevant gauging stations.

Edenvale Young worked on this project in association with Halcrow (CH2MHill) where a strict independent review process ensured the project deliverables were of high quality. The key members of the team had previous experience with previous forecasting projects in the area; Edenvale Young worked on the Sowe Flood Forecasting Rating Curve Feasibility Report and Reviews in 2012.