

## Hydro-Logic™ Level Logger reduces flood risk for Wychavon District Council

### Project profile

#### Objective

To install a system to monitor rising flood levels on the Bengeworth Brook in Evesham, UK.

#### Solution

Wychavon District Council selected a Hydro-Logic™ Smart Monitoring system to enable engineers to monitor culvert trash screens and respond to blockages more quickly and effectively.

### Product profile

- Smart Monitoring of water levels
- Combined with local remote camera
- Remote, autonomous operation, automatic data transmission
- Integrated with telemetry system and online dashboard
- Battery life of up to seven years

Residents of Evesham, near Worcester, had experienced flooding from a culvert on the Bengeworth Brook, a small watercourse that discharges into Battleton Brook and then the nearby River Avon.

During storm events such as the 2007 summer floods, a trash screen in the culvert became easily blocked, restricting flow through the culvert and contributing to flooding in the Davies Road area.

Wychavon District Council identified a need for a Smart Monitoring system to provide insight into conditions at the trash screen, and selected the Hydro-Logic™ Level Logger to provide water level monitoring and early warning of blockages.

In the event of rising water levels the data logger was configured to alert the Wychavon District Council Engineering Team via the online Hydro-Logic™ Timeview telemetry system, providing visual information about any blockage of the trash screen from an integrated remote camera.

As a result, the Engineering Team is now able to respond to blockages quickly and clear debris before the blockage causes flooding to nearby areas, improving responsiveness and reducing the need for speculative regular inspection visits.

After successful initial trials of the system Wychavon District Council also added a Hydro-Logic™ Weather Logger, to incorporate correlative rainfall and other meteorological data.

“With this system, we can respond to residents’ concerns immediately, as a photograph can be produced whilst the resident is on the phone. A decision can be quickly made as to whether an inspection is necessary. This now means we do not have to make unnecessary site visits. A big plus to this system is that the residents’ fears have been reduced substantially.”

- Andrew Fell, Assistant Land Drainage Engineer,  
Wychavon District Council

