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Water Framework Directive

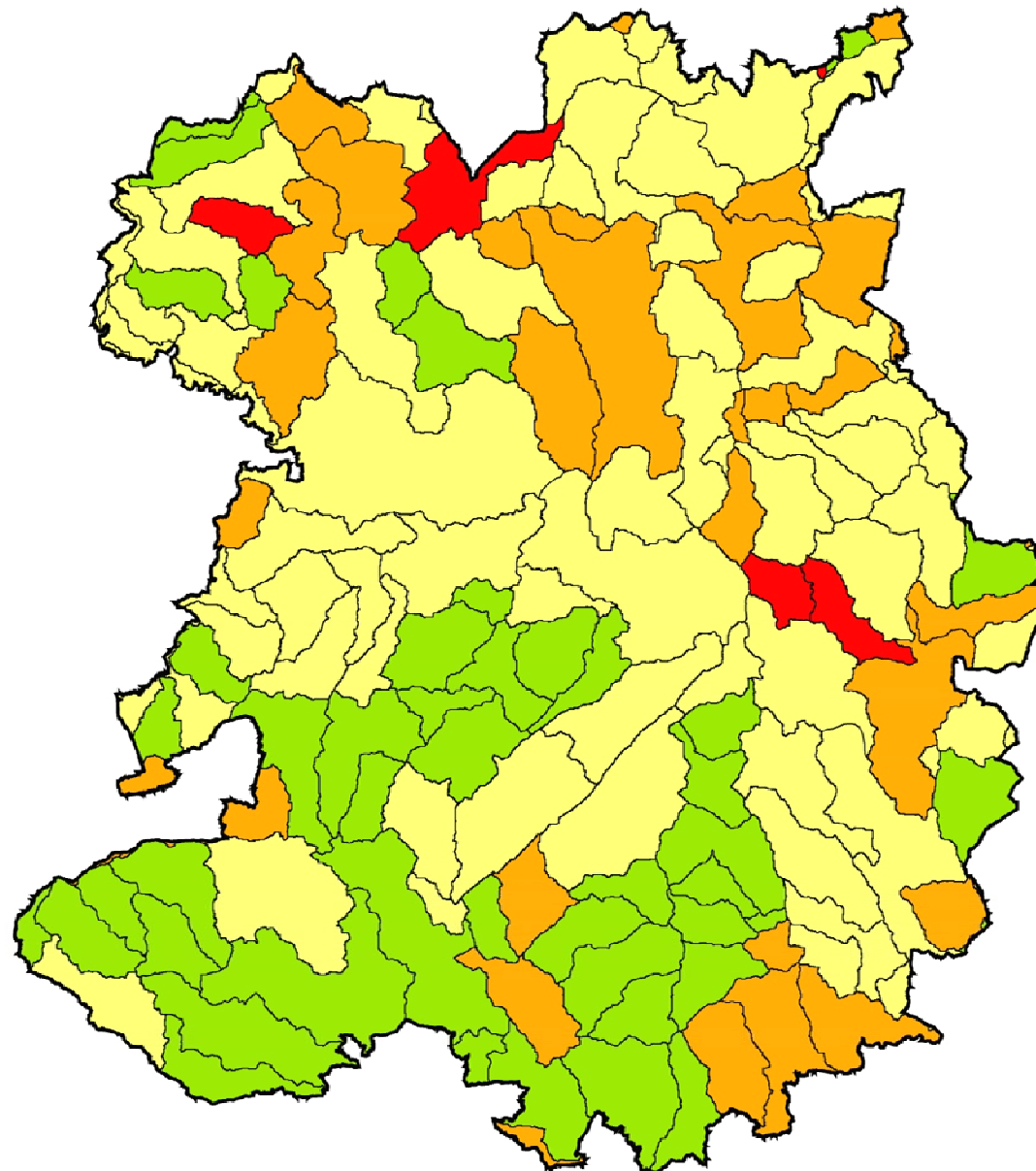
The Water Quality of the Farley Brook

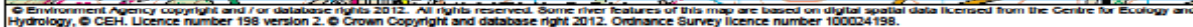
What is the Water Framework Directive?

- Became UK law in 2003
- The Environment Agency the “competent authority” to implement
- Aims to improve and protect the water environment
- Encompasses ecology, chemistry and physical features
- River bodies to meet “good” status by 2015,
- We all need to work together to achieve this

WFD in Shropshire

- Rivers have been divided into small waterbodies.
- Shropshire:
 - 4 Bad catchments
 - 28 poor catchments
 - 63 Moderate catchments
 - 46 Good catchments
- Range of issues causing problems:
 - Water quality, fish, invertebrates



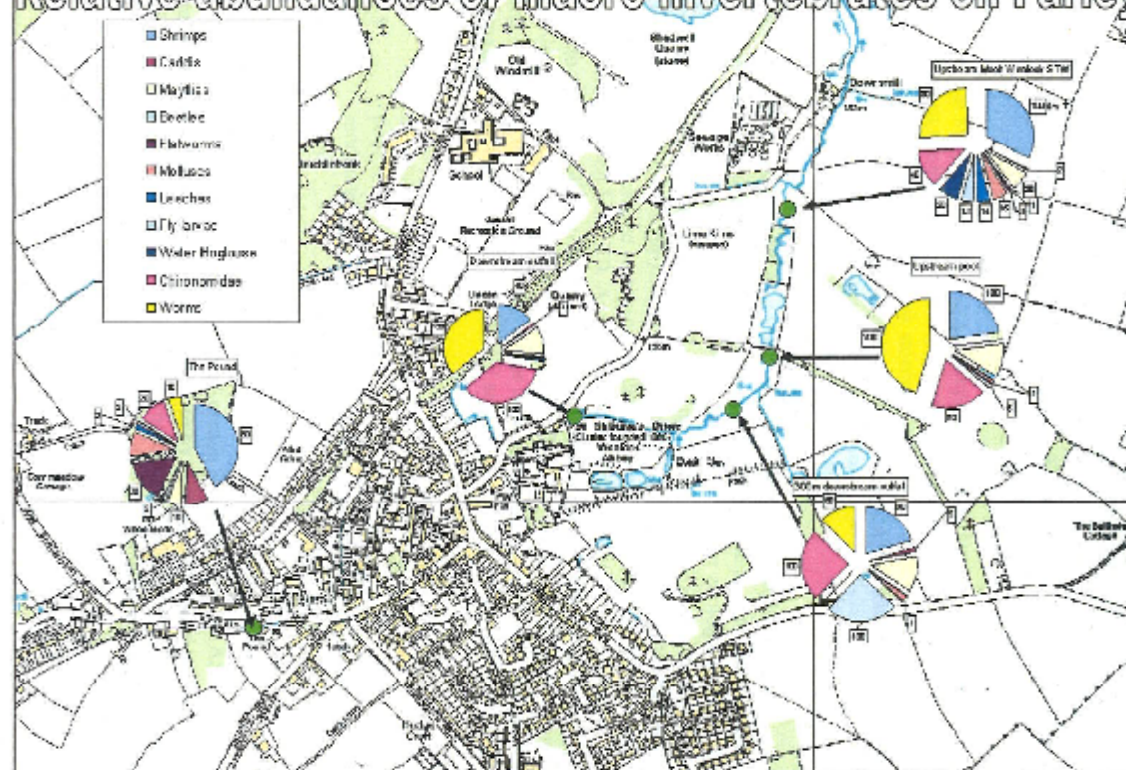


Farley Brook

- Approx 9 km in length
- Nearly 2 km in culvert
- Status – classed as MODERATE
- Failing elements are ecology

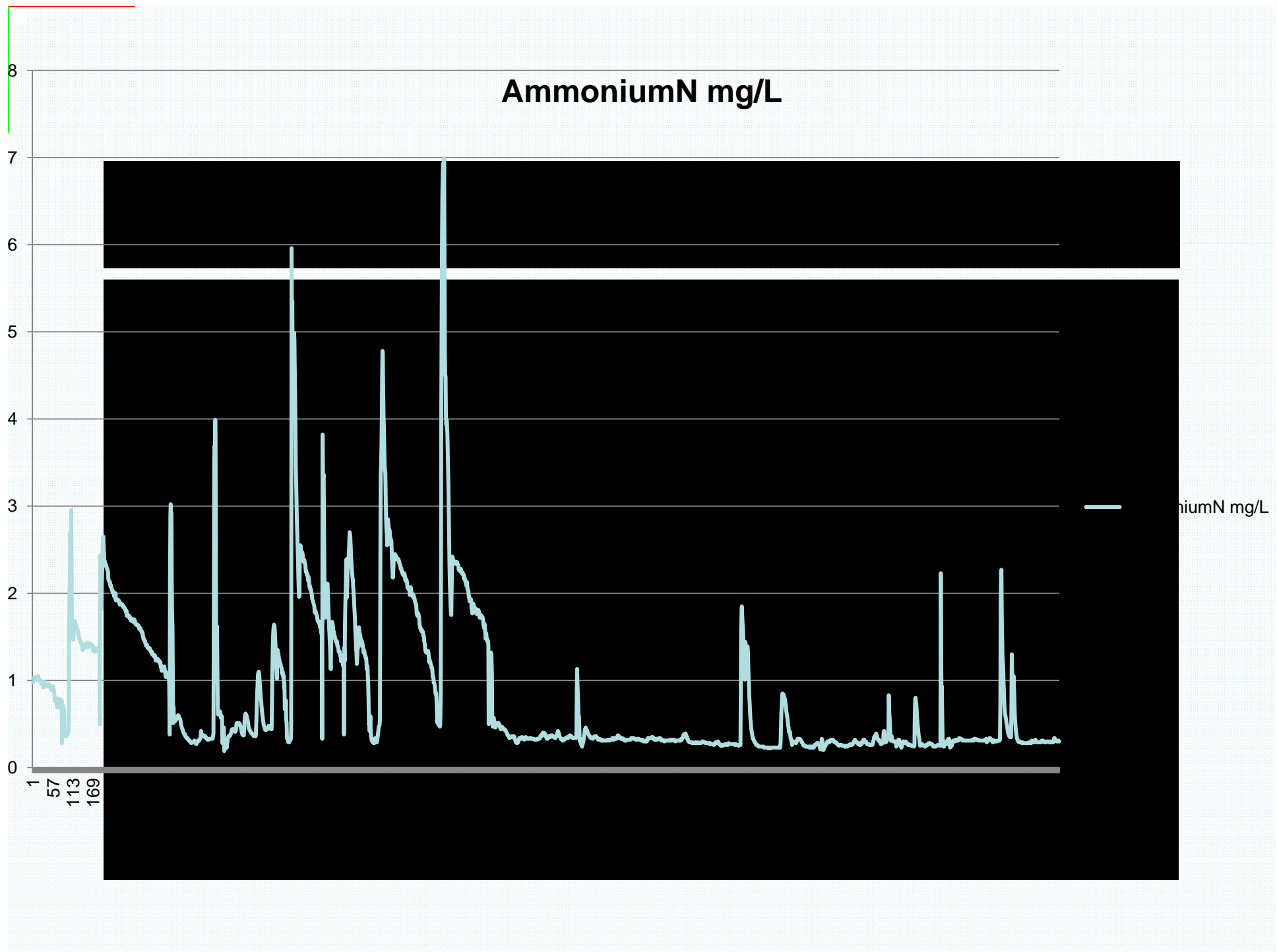


Map 1 Relative abundances of macro-invertebrates on Farley Brook

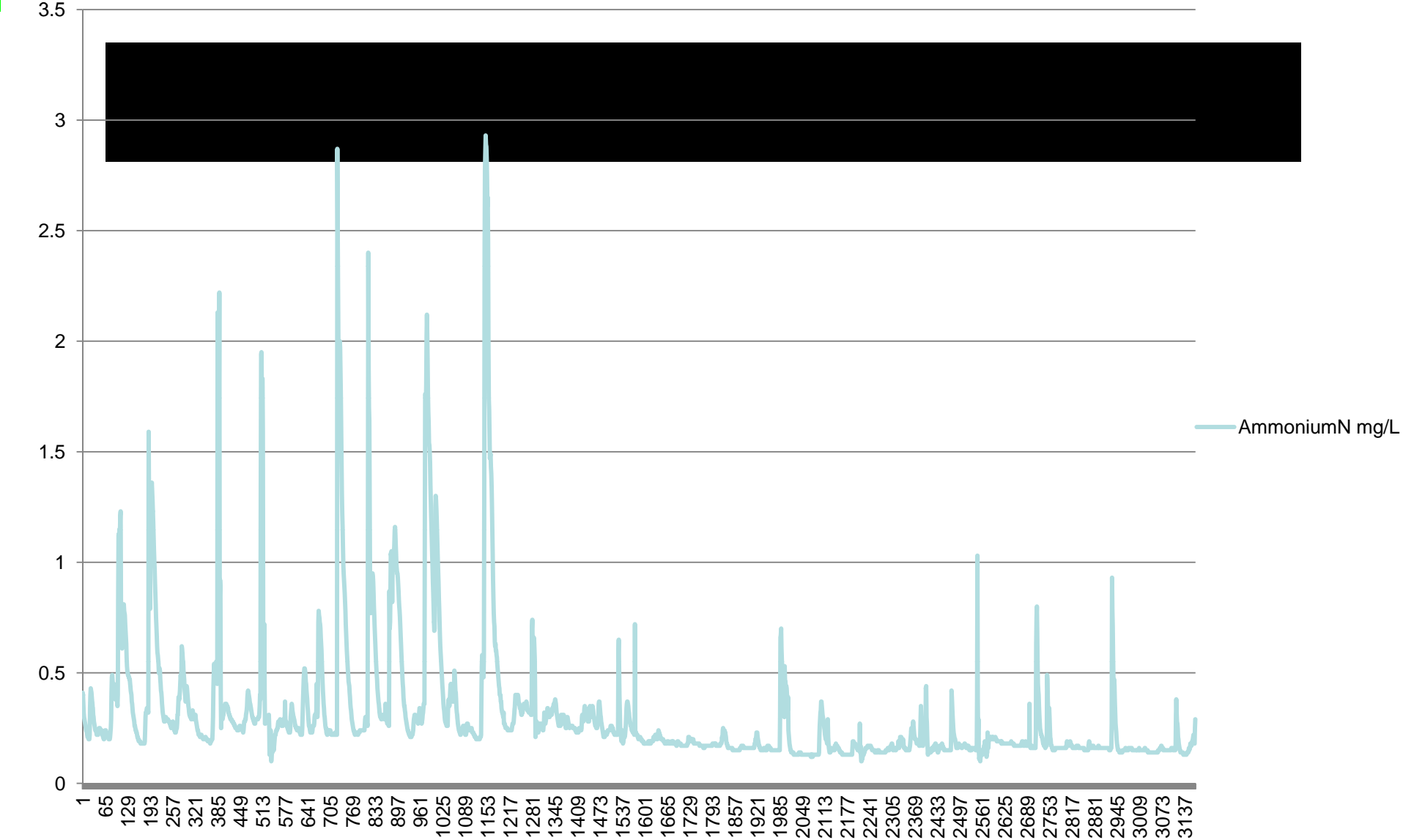


Combined sewer outfall (CSO)





AmmoniumN mg/L



Water Quality in the Farley Brook

Misconnections

CSO

Sewage Treatment works

Landowner Liquid fertiliser site

In river works