





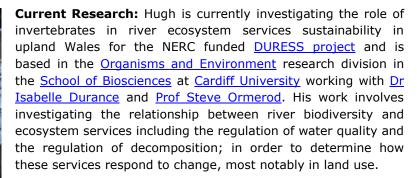


Biography: Originally from Co. Mayo on the west coast of Ireland, Hugh Feeley (pictured right) began his experience in ecology and freshwater science with a First-Class Honours BSc Degree in Environmental Biology at University College Dublin (UCD 2007), with his undergraduate thesis published in Aquatic <u>Insects</u>. Hugh continued to develop his interest and experience in ecology and biodiversity with several studies examining the role of constructed wetlands on regional diversity in agricultural understanding how landscapes and contribute to local and regional



macroinvertebrate biodiversity. He was also involved in several other studies during his time in UCD working on a wide range of ecological, environmental and freshwater sciences, including fish, invasive and native macrophytes and hyperheic invertebrates, across a range of freshwater habitats. In 2008, Hugh began his PhD studies with Dr Mary Kelly-Quinn at the Freshwater Biodiversity, Ecology and Fisheries Research Group in the UCD School of Biology and Environmental Science (Dublin, Ireland) focusing primarily on the impact of mature plantation forests on the ecology and hydrochemistry of headwater streams but also incorporated work on climate change and sampling methodologies. He successfully completed his PhD studies in July 2012.







The first large-scale DURESS experiment investigated the role of biodiversity in the regulation of decomposition (completed March 2013) and involved the addition of over 12,000 kg of Oak leaf to eight upland streams situated at Llyn Brianne and Plymlimon in mid-Wales. Hugh's primary work involved using leaf litter bags (pictured left) to quantify the role macroinvertebrates play in this essential ecosystem service and how planting tree species such as oak can enhance instream biodiversity and ecosystems services throughout Great Britain.

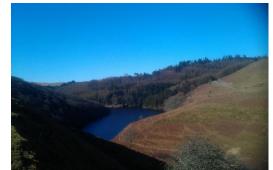
Oak litter bags were used to examine the regulation of decomposition in Welsh upland streams

Future work will involve experiments examining the role of biodiversity in the regulation of nitrogen (summer 2013) and carbon (summer 2014) in upland streams.

Hugh is also examining several long-term datasets (e.g. <u>Llyn Brianne</u> pictured right) held at Cardiff University in order to assess the resilience of macroinvertebrate populations and associated ecosystem service provision over the past 30 years in upland Wales.

For more information about Hugh check out:

<u>Twitter Cardiff Uni Google Scholar Scopus LinkedIn</u>



Llyn Brianne reservoir in upland mid-Wales