



Ecosystem Services in the Restoration of Wetlands in the Humberhead Levels, UK

Katharine Orgill and Helen Moggridge

The University of Sheffield, United Kingdom (kjorgill1@sheffield.ac.uk)

The Humberhead Levels (HHL) are undergoing landscape scale wetland restoration after decades of degradation, managed by a partnership involving a range of stakeholders. The concept of ecosystem services is one of the main drivers of where to restore wetlands in this landscape. Through the human lead restoration, specific ecosystem services will be delivered and protected within the landscape. A range of ecosystem services have been mapped and modelled for the HHL, using secondary data from a range of organisations and the InVEST model (Integrated Valuation of Ecosystem Services and Trade-offs). The services include carbon storage and flood mitigation. This information will then be used to inform potential restoration decisions for the landscape, whilst also improving the ecosystem services. This will provide valuable information not just for the Humberhead Levels Partnership, but increase the understanding of ecosystem services for wetland research and as a useful example for including ecosystem services in landscape scale restoration plans.