#### **UKILN Conference**

Lakes — protecting, enhancing and restoring.

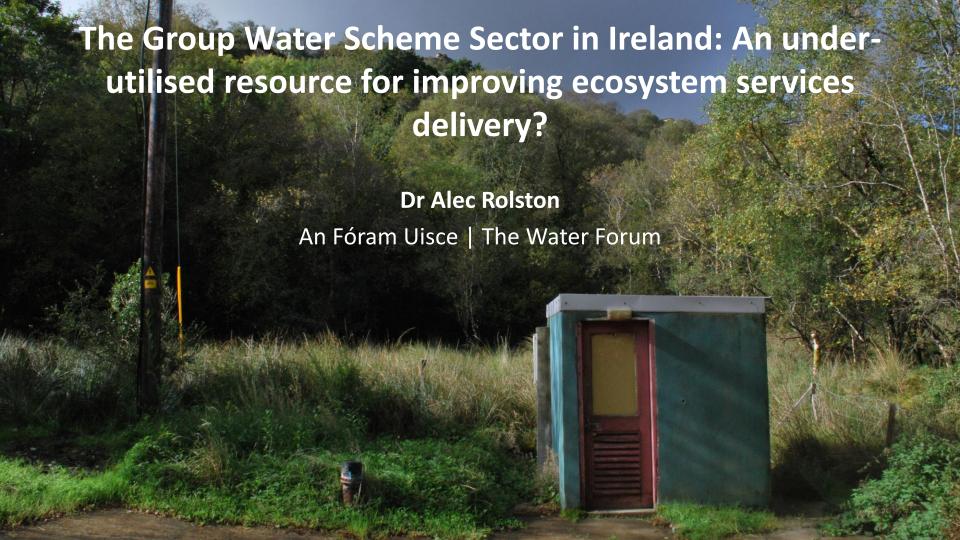
# Westport 16<sup>th</sup> and 17<sup>th</sup> October 2019

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United Kingdom Ireland Lake Network







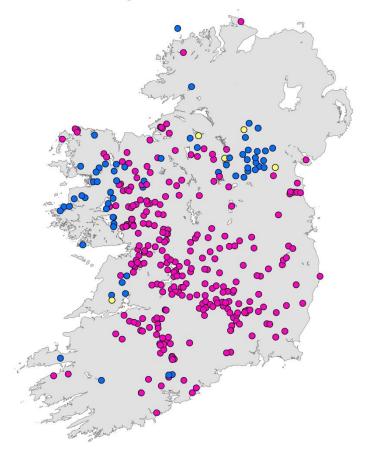








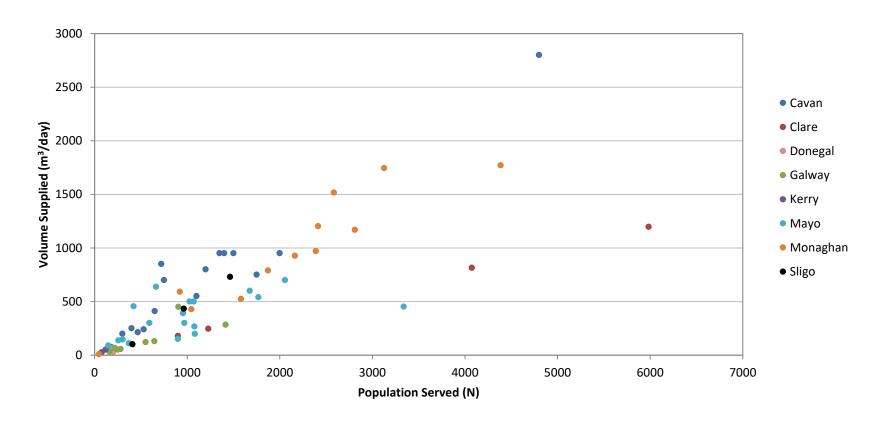
- Groundwater source
- Surface water source
- Surface water and groundwater sources



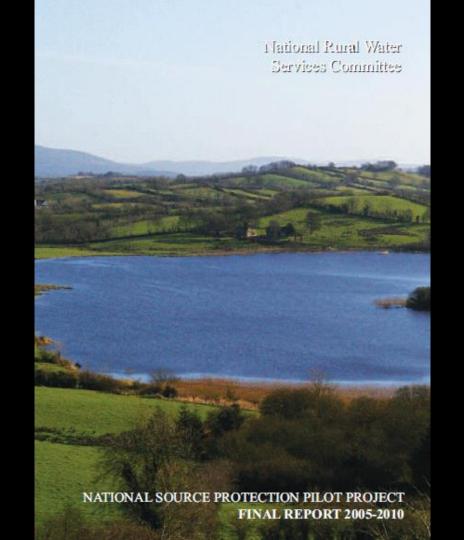
#### **Surface water sources**

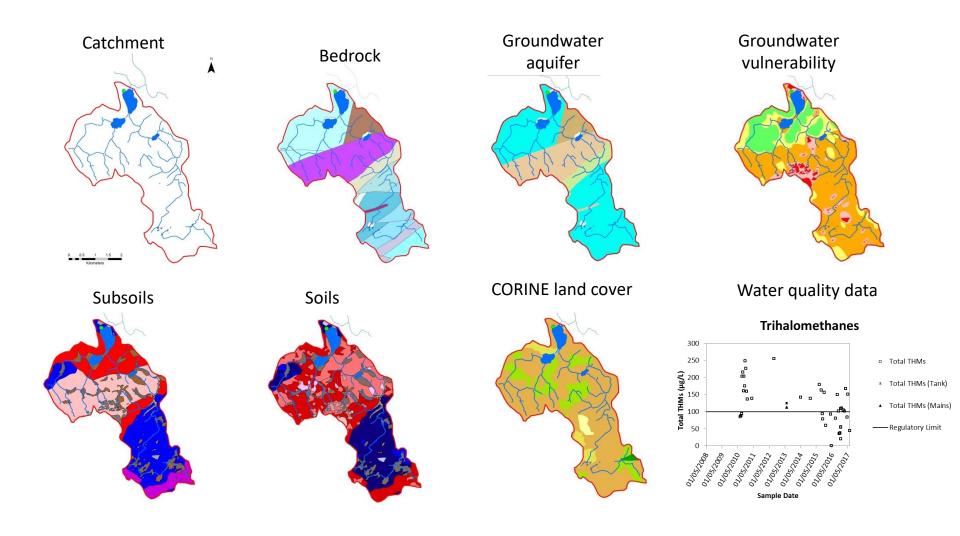
Source	Proportion of GWS (%)
Lake	80.6
Mountain stream	6
River	4.5
Mountain spring	3
Lake and borehole	3
Lake and mountain stream	1.5
Mountain springs and borehole	1.5

# **Surface Water-Sourced GWS Supplies**

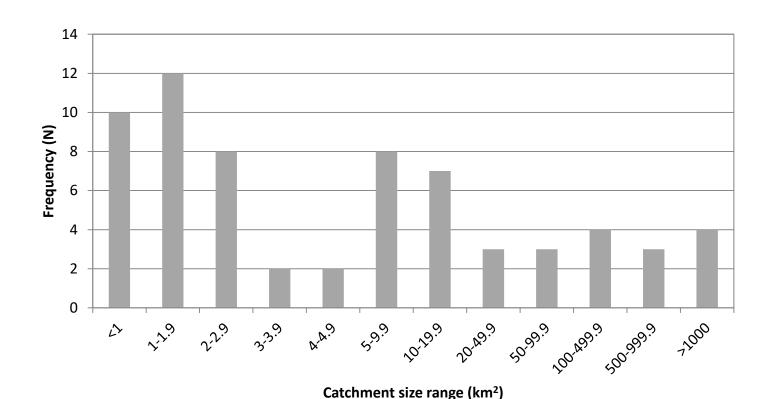


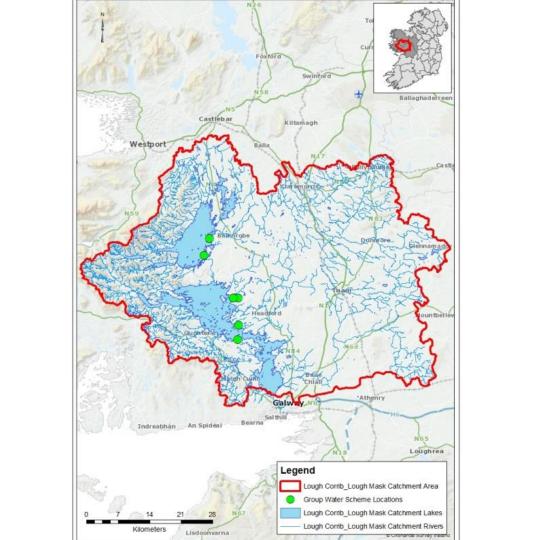


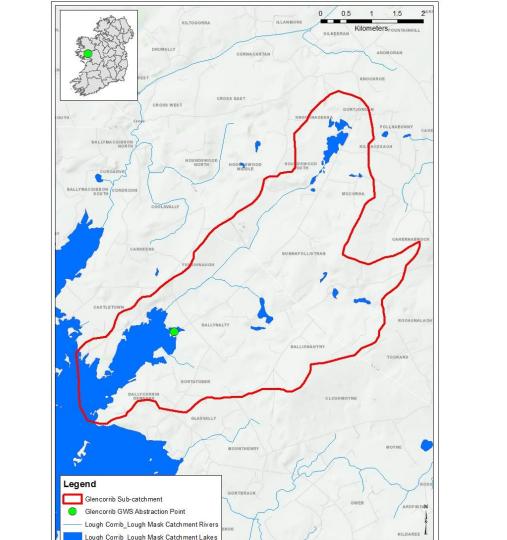




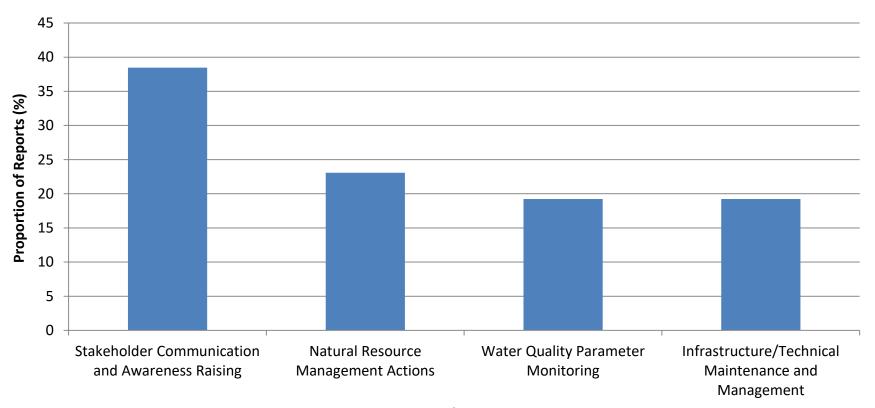
## **Surface Water-Sourced GWS Catchment Size**







### **Source Protection Recommendations**

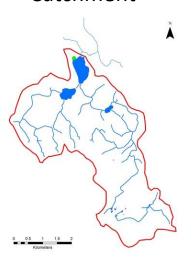


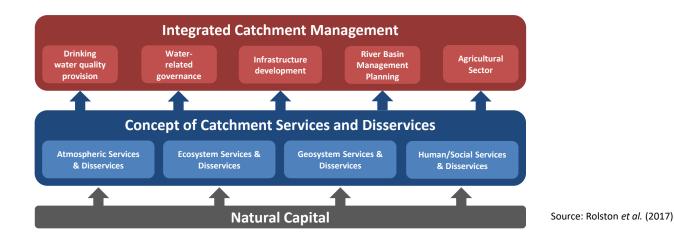
**Recommendation Grouping** 

#### **Ecosystem Services**

#### Provisioning services Regulating services Cultural services Goods produced or provided Benefits from regulation of Nonmaterial benefits from by ecosystems ecosystem processes ecosystems Food Water partitioning Spiritual Fuel wood Pest regulation Recreational Fiber Climate regulation Aesthetic Timber Pollination Educational Support services Factors necessary for producing ecosystem services · Hydrological cycle Soil formation Nutrient cycling Primary production Source: Adapted from MEA 2003.

#### Catchment





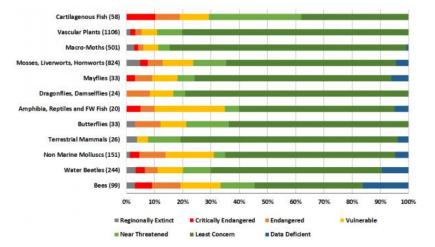




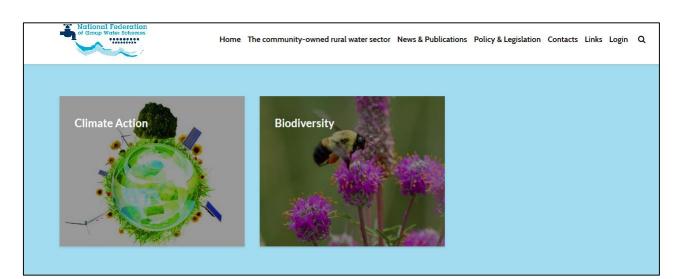
Increased resilience to climate change

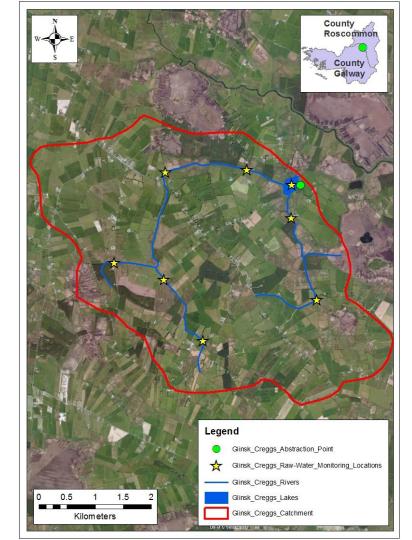


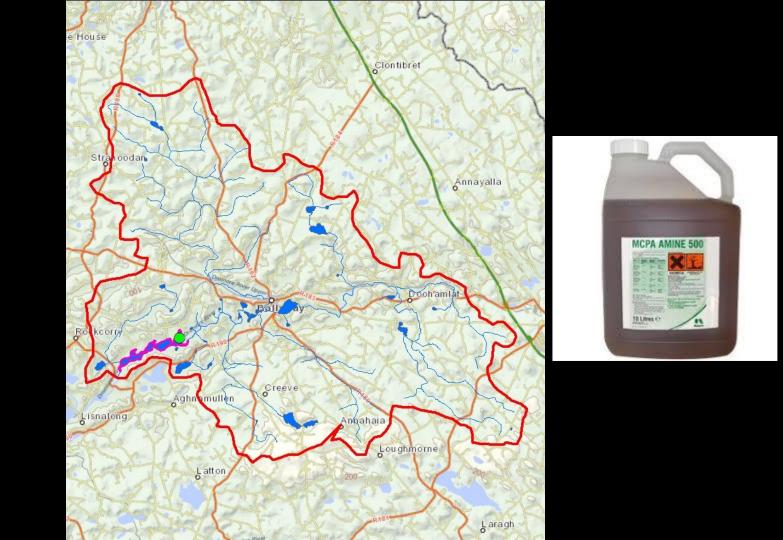




Overview of Ireland's threatened species. Source: Biodiversity Ireland











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