

Monitoring Leaky Barriers for NFM within a Community-Led, Defra-Funded Project

- Part of a PhD on the multiple functions of woodlands for NFM
- NFM: Natural Flood Management, a **catchment-based approach** to flood mitigation
- **Leaky barriers** allow passage of baseflow but **slow the flow** of excess water upstream
- 40 leaky barriers implemented by **community flood group funded by Defra**
- Monitoring **river level and flow**, and **geomorphology**, through level sensors, time lapse video, and field surveys
- Comparison of monitored river flow and level either side of leaky barriers to indicate effectiveness: **control intervention design**
- Hypothesis: leaky barriers will be **most effective at mitigating smaller flood events**. Supported by preliminary results

