

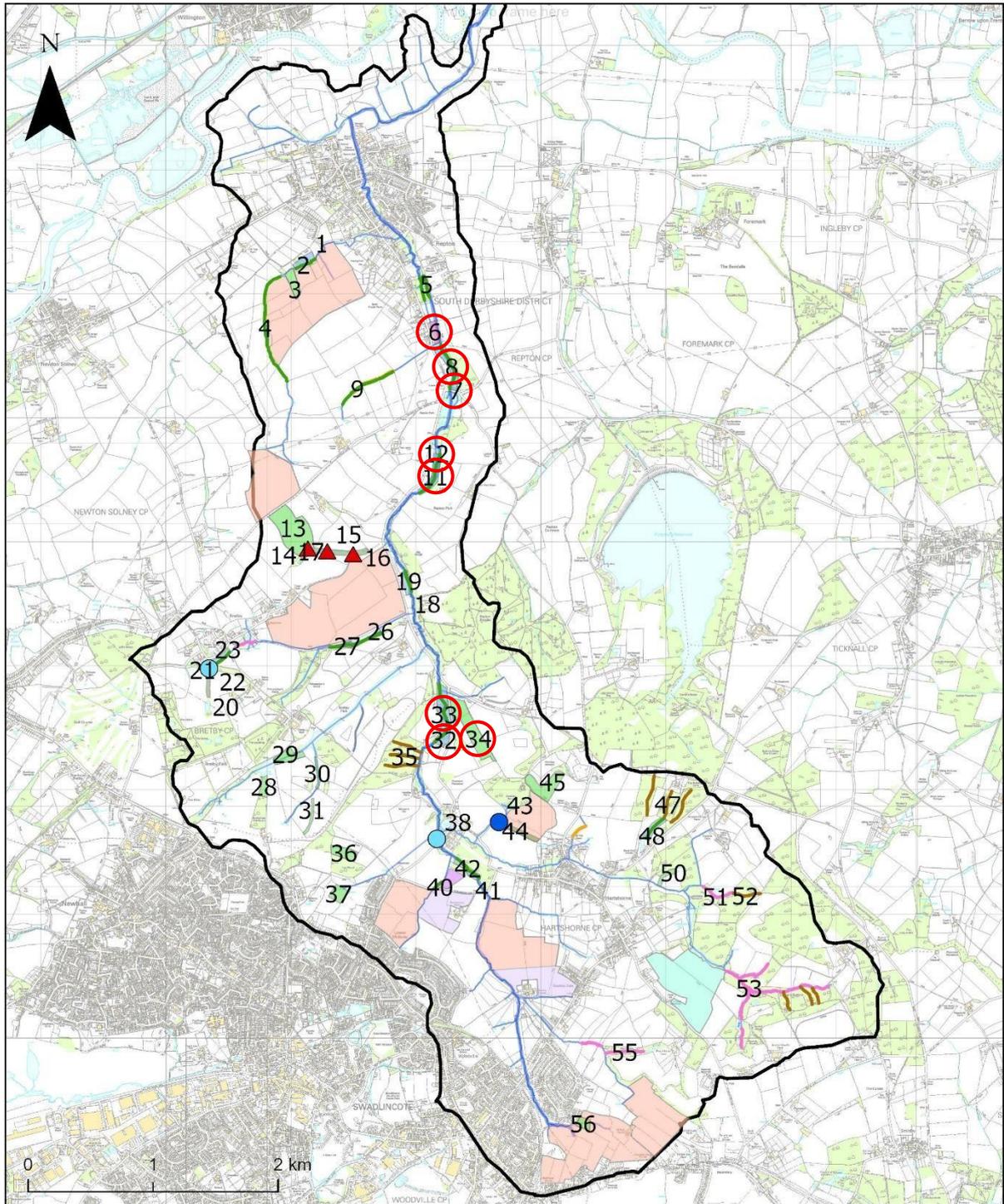
# Repton Natural Flood Management Desk-based Assessment

The study evaluated the feasibility of implementing Natural Flood Management (NFM) interventions to reduce flooding in Repton, Derbyshire. Trent Rivers Trust (TRT) undertook a desk-based assessment that included hydrological modelling and flow-accumulation analysis to identify locations with NFM potential. Where feasible, each potential intervention was evaluated for estimated floodwater storage volume, cost, habitat creation or enhancement potential, and anticipated timescale to impact.

In total, 56 NFM opportunities were identified across the catchment. Each was rated (qualitatively) according to the amount of storage (where possible) and flood benefit, cost, landowner willingness, the potential for habitat creation / enhancement, and the timescale for implementation. NFM should be prioritised in the upper catchment to reduce rapid runoff and soil erosion. In the lower catchment, maintaining drainage efficiency and utilising floodplain connectivity to store water where appropriate are key strategies. None of the sites, individually, would provide a 'large impact' on flooding, but the sites rated as 'good impact' are marked on the figure below. Most notably, there is significant potential for floodplain reconnection upstream of the village (#6), as well as targeted woodland creation to slow surface-water flow from the steep surrounding catchment.

Landowner willingness is a critical factor in the successful delivery of NFM measures. A practical approach to engagement is the organisation of a free, local farm event open to the wider farming community.

Summary by Tim Hess of report from TRT  
27 November 2025



- ▲ Field Bund
- Offline Pond
- Online Pond
- Brash Bundles
- Hinged Trees
- Leaky Barriers
- Two-Stage Channel
- Floodplain Reconnection
- Green River
- Newly Planted Woodland
- Wet Woodland
- Wetland Creation
- Woodland Creation
- Horse Pasture
- Newly Planted Woodland
- Soil Target Areas
- Repton Brook
- Detailed River Network
- Repton Brook Catchment

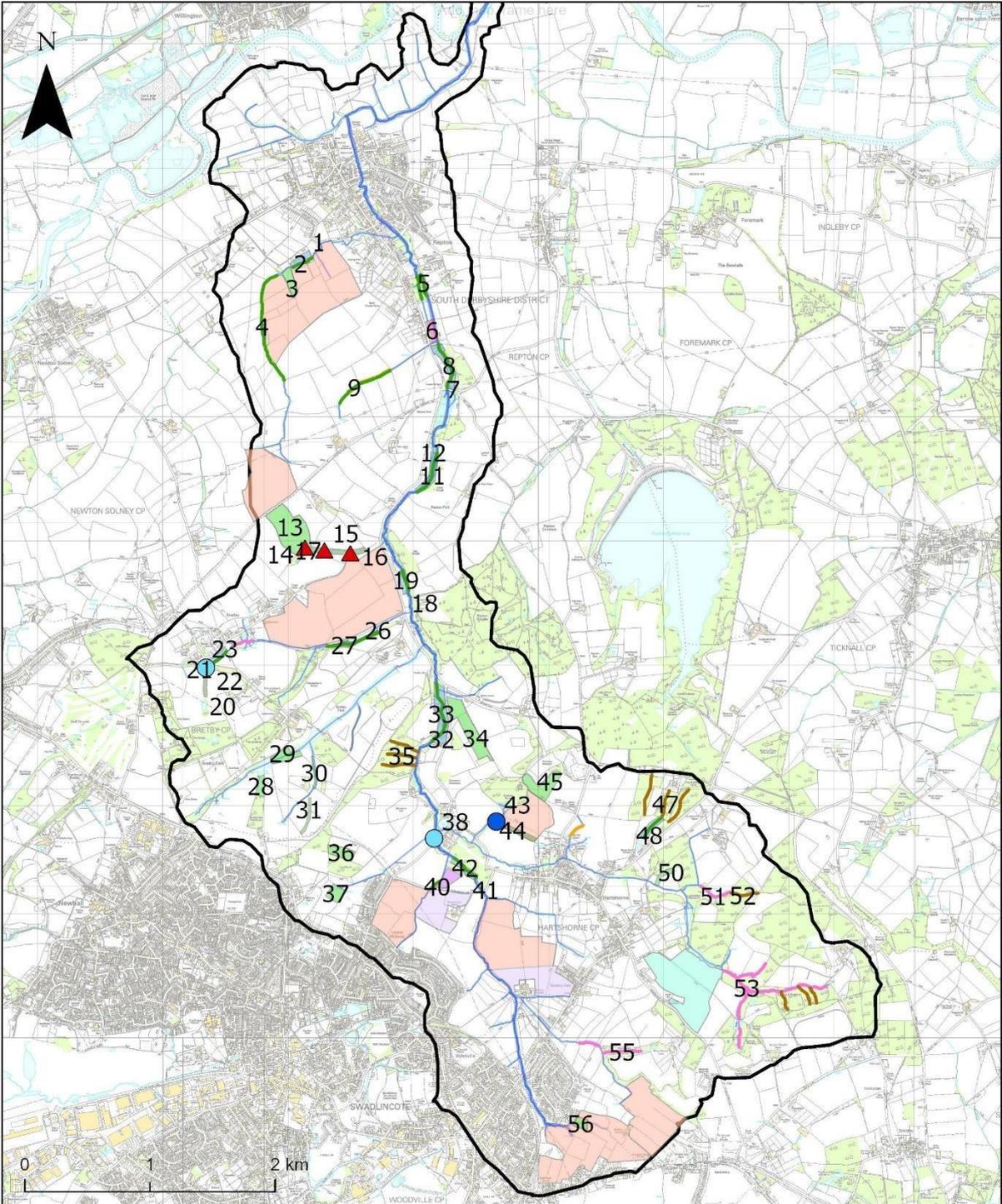
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Drawing date:  
08/10/2025



Title: Repton Brook Catchment  
NFM Scoping Results

Drawn by: Emily Richardson



<ul style="list-style-type: none"> <li><span style="color: red;">▲</span> Field Bund</li> <li><span style="color: lightblue;">●</span> Offline Pond</li> <li><span style="color: blue;">●</span> Online Pond</li> <li><span style="color: brown;">—</span> Brash Bundles</li> <li><span style="color: magenta;">—</span> Hinged Trees</li> <li><span style="color: green;">—</span> Leaky Barriers</li> <li><span style="color: orange;">—</span> Two-Stage Channel</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: lightblue;">■</span> Floodplain Reconnection</li> <li><span style="color: green;">■</span> Green River</li> <li><span style="color: yellow;">■</span> Newly Planted Woodland</li> <li><span style="color: purple;">■</span> Wet Woodland</li> <li><span style="color: pink;">■</span> Wetland Creation</li> <li><span style="color: lightgreen;">■</span> Woodland Creation</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: lightpurple;">■</span> Horse Pasture</li> <li><span style="color: lightcyan;">■</span> Newly Planted Woodland</li> <li><span style="color: lightorange;">■</span> Soil Target Areas</li> <li><span style="color: blue;">—</span> Repton Brook</li> <li><span style="color: lightblue;">—</span> Detailed River Network</li> <li><span style="border: 2px solid black;">□</span> Repton Brook Catchment</li> </ul>	<p>Drawing date: 08/10/2025</p> 
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