

# RESTON SCAR & BLACK CRAG



South Cumbria Rivers Trust were the lead partner for a Natural Flood Management (NFM) project on Reston Scar above Staveley. Strongly supported by the local landowners of Reston Scar and Black Crag, this three phase project began in summer 2020 and was completed in February 2021. The land was made available for this project as the NFM interventions allowed for the maintenance of traditional farming practices whilst demonstrating how agricultural land can be used to 'slow the flow' in extreme weather events and protect properties at risk in Staveley.

Phase 1- We installed 6 large woody dams (LWD's) and 3 kerplunk\* structures.

Phase 2 - A further three LWD's and three kerplunk structures were installed.

Phase 3 - A flow diversion pathway was created around Reston Hall to protect at risk properties there.

The practical interventions were installed by contractors Catchment Designs Ltd. Local residents and volunteers are currently helping us to monitor the site to assess how the structures are working in storm events. The works were funded by the Environment Agency (EA) through the DEFRA NFM programme.

'Kerplunks' - These structures are designed to be more open in form than dams. Logs are installed at a variety of heights to capture and slow flood events of varying magnitude. They do this by adding roughness to the channel to slow flood flows, thereby delaying the intensity and timing of flood peaks downstream.



## NFM benefits

1. Divert and store flood water as well as significantly slowing the flow of water during intense storm events.
2. Reduced flood risk to the residents in Staveley below Reston Scar.
3. Providing an opportunity to teach people about the benefits of NFM.
4. Community monitoring programme providing opportunities to learn and get involved with nature.

