

# BELL BECK, TROUTBECK



South  
Cumbria  
Rivers  
Trust

SCRT were the lead partner for a Natural Flood Management (NFM) project above Troutbeck near Windermere. We installed 10 large woody debris dams to slow the flow of water during peak flows. This project was developed to protect properties downstream that were flooded during Storm Desmond in 2015 and was funded by the Environment Agency, and supported by the Holehird Trust who own the land.

Large woody debris dams (LWDs) mimic the attributes of naturally fallen trees that help hold back water during storm events.

The practical interventions were installed in 2019 by SCRT staff. Our contractors Catchment Designs Ltd then went back in 2020 to add further bushy characteristics to the dams to help increase flood storage capacity. Students from Windermere School then helped us plant trees next to the beck to further improve the habitat in March 2021.

SCRT staff have carried out topographical surveys to assess the potential storage volume of water held back by each structure and the combined total is over 230 m<sup>3</sup>. That is the equivalent of over 404,736 pints!



## NFM Interventions

- Creation of 10 leaky dams using natural materials, to temporarily store and attenuate peak flows from the watercourse during storm events.
- Tree planting to help improve habitats and biodiversity

