

HIGH BORRANS

SCRT were the lead partner for a Natural Flood Management (NFM) project at High Borrans above *Staveley, to protect properties at risk.

Funded by the Environment Agency, this compact but complex project consisted of creating a series of leaky dams from windblown trees, set above the normal water level, to block flood flows through a woodland. These leaky dams 'slow the flow' of water during storm events. We also diverted surface water flowing down a farm track onto this route. From there water flows into a runoff attenuation feature (which provide temporary storage of flood water and reduce connectivity between flow pathways) and then into an existing reservoir. The project has used a number of different techniques that compliment the area and each other, providing an exciting and comprehensive example of natural flood management measures.

Practical interventions began and concluded in summer 2019 by our contractors, Cumbria based Catchment Designs Ltd.



NFM Interventions

- Run-off attenuation feature to hold water and allow the water to drain slowly.
- Three large leaky dams to temporarily store and attenuate peak flows from the watercourse during storm events.
- Track diversion route to divert surface water.
- Planting willow and alder trees in the wet boggy land between the woodland and runoff attenuation area to aid the slow of water, the trapping of silt and enhance bio-diversity in the area.



*Staveley has been listed by the Cumbria Strategic Flood Partnership as a Priority Community at Risk (pCaR).