

A30 Environmental Designated Funds – Ridgeway Wetland



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Client

Highways England

Key collaborators

Catchment Partnership Cornwall

Key facts

The driver for the project was reduction of flood risk and improving water quality. Suitable Natural Flood Management (NFM) options were identified for three catchments along the A30 in Cornwall. Stakeholder engagement was a key element of the project Arup delivered the project from feasibility stage through to detailed design.

Key services provided

Natural Flood Management Feasibility Assessment
Natural Flood Management Mapping
Stakeholder Engagement
Outline and Detailed Design
Monitoring Strategy

Development of a comprehensive catchment-scale Natural Flood Management plan and detailed design for recommended catchment management interventions to be undertaken to achieve reduced flood risk and WFD.

Arup was commissioned by Highways England to develop a catchment scale approach to address flooding and WFD issues along the A30.

The approach to developing a catchment scale approach involved identifying a longlist of interventions, their associated ecosystem services and potential locations in three catchments along the A30. The longlist of interventions was informed by undertaking storage calculations which highlighted the areas that would benefit from natural flood management interventions and which would, in turn, benefit the catchment as a whole.

Following identification of the longlist of interventions, Arup partnered with the Cornwall Catchment Partnership to undertake the landowner engagement for the potential locations. The landowner engagement was followed by a ground truthing exercise to screen feasible interventions. The short-listed NFM interventions were taken through to detailed design.