



## Sainsbury's River Diversion Works



Client: Mace

Site: Former Churnet Works, Leek  
Staffordshire

Contract Value: £750,000

Technology Used: Bio-accelerator – Rapid bioremediation of hydrocarbons.  
EradZion8 – Rapid Japanese knotweed treatment.



As part of Sainsbury's major redevelopment of the former Churnet Works in Leek, Staffordshire, Dunton Environmental successfully created an attractive riparian environment by successfully diverting the River Churnet to flow through the new scheme.

"Dunton are a very good company to work with, methodical in their works and pro-active in coming forward with alternative construction options."

**Dave Boyle, Commercial Manager,  
Mace**



# Challenges

- To keep the existing 300m total river length continuously flowing throughout the construction phase.
- Restricted working arrangements to accommodate other build contractors and phasing.
- Soils contaminated with asbestos fibres and asbestos containing materials (ACMs).
- Multiple stands of Japanese Knotweed requiring eradication.
- To complete all works by a fixed Sainsbury's store opening date.

## Our Solution

- River-wall demolition works.
- Construction of a temporary dam and diversion channel.
- Management of fish pass and rescue works.
- Excavation and realignment of the existing river course.
- Engineered fill of the old watercourse, silt management and site re-profiling works.
- Contaminated soils re-used within the development in accordance with an approved Materials Management Plan (MMP).
- Rapid Japanese Knotweed treatment using our in-house **EradZion8™** product.



## Results

- Successfully constructed an attractive riparian environment enhancing the redevelopment scheme.  
The River Churnet remained open throughout the 6 month programme.
- Contaminated construction arisings re-used in the development to the satisfaction of all stakeholders.