



**Canal &  
River Trust**

Making life better by water

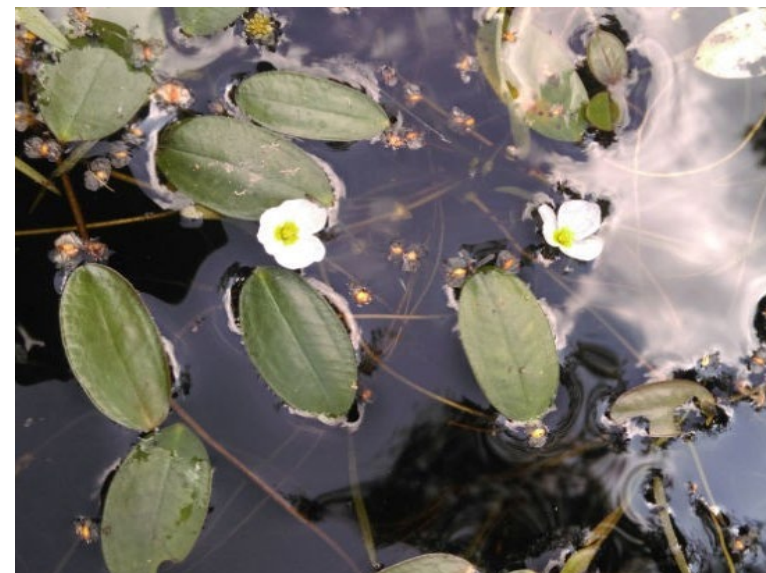
# Environment – Dredging & Invasives

Charles Hughes  
INNS Project Manager & Environmental Scientist  
[charles.hughes@canalrivertrust.org.uk](mailto:charles.hughes@canalrivertrust.org.uk)

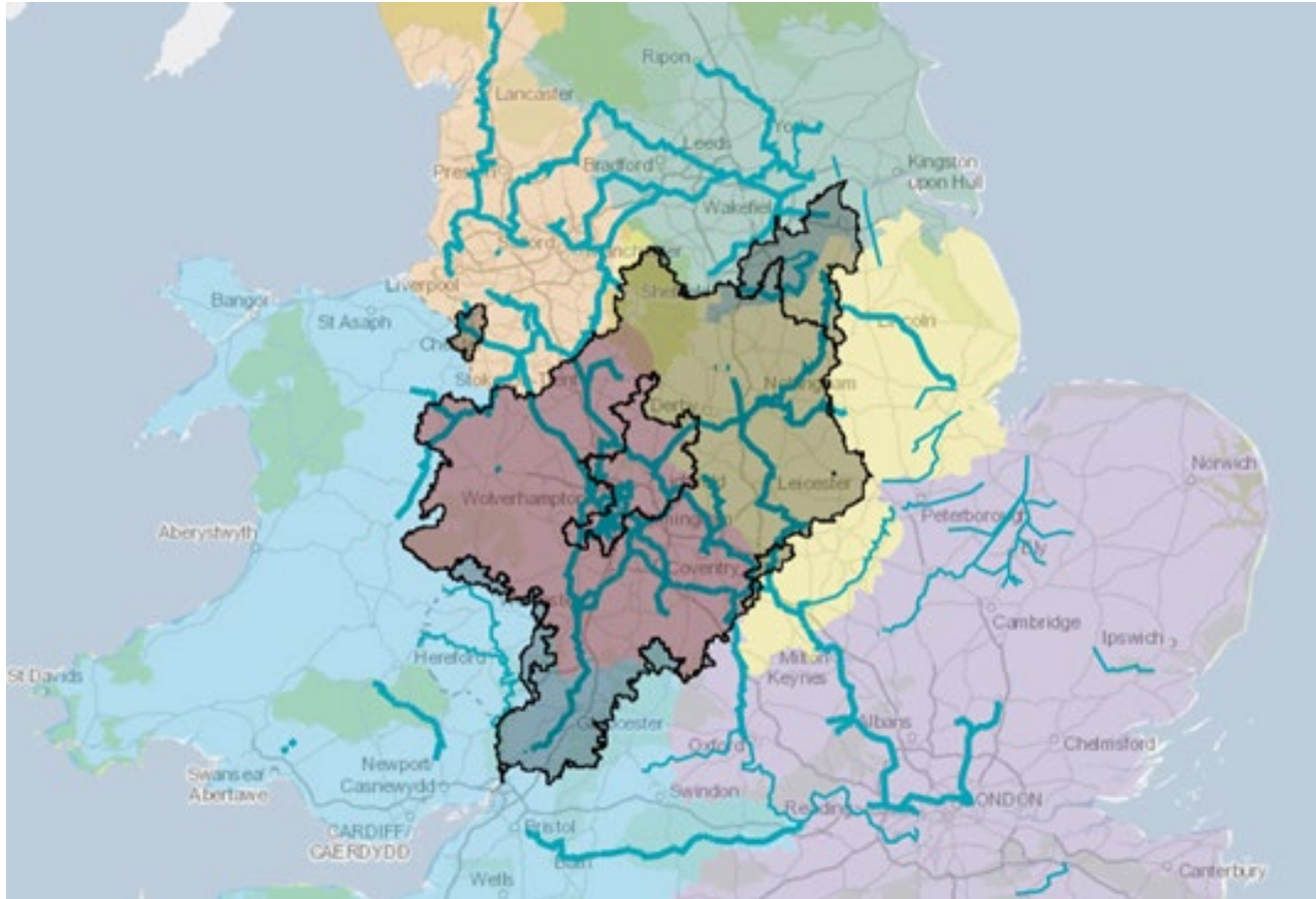
19/10/21

# 2021/22 Dredging Projects

Delivery Year	Project	Current Budget	Details
B21	P/11245: Grand Union Spot dredging B'ham to Henwood	£747,000	Project also combined with piling works/bank protection.
B21	P/11265: Staffs & Worcester Spot Dredging	£800,000	Gothersley to Wombourne. Match funding for Green Recovery – Water Voles Project Officer
B21	P/11596: Cannock Extension Dredging & ERDF Enhancements Project	£300,000 (dredging), £180,000 (ERDF)	Dredge of canal including external ERDF funding for environmental enhancements (invasives, access, tree works etc)
B22	P/10400: South Stratford Dredging	£800,000	Large section of canal to be dredged including issues at bridge approaches and Wilmcote Lock side ponds
B22	P/11597: OX Napton Dredging	£300,000	Napton Locks to Priors Marston. Soft bank protection improvements water voles.
B22	P/10526: Dudley No2 Dredging	£760,000	S of Blowers Green to Gosty Hill Tunnel. Match funding for Green Recovery. Significant haz material removed.
B22	Caldon Routine River Dredging	£75,000	Routine dredging of 5/6 locations on the Caldon. River sections where significant sediment deposition (Bi-annual)



# CRISEP Project (2021-25) Progress



- £600,000 externally funded strategic project (Severn Trent)
- Multi-regional project
- 4 priority Invasive plant species (Japanese Knotweed, Giant Hogweed, Floating Pennywort & Water Fern)
- Targeting 250km lengths of canal/river for treatment
- Practical treatment delivery and scientific research outputs
- Terrestrial INNS sites: 299 treated in year 1
- Aquatic INNS: 4 hotspot areas across West Mids

- Jacobs Feeder, Bittell Reservoirs SSSI
- Feeder channel to W&B canal significant FPW impacting channel (water resources & biodiversity)
- Combined with feeder dredging project – remove nutrient rich silts (agricultural benefit – land spreading for adjacent landowner)
- Mitigation measures – strict biosecurity. Use of bubble boom, silt curtains and fence booms
- Dissolved Oxygen initially a concern. Drastically increased post works
- CABI Molecular samples – populations of pennywort across UK
- Spot chemical treatment & raking removal (4 visits per year until 2024)



# Case Study - Cannock Extension SSSI

- Cannock Extension Canal SSSI/SAC
- Important designated site within the West Midlands
- Designated for large population of Floating Water Plantain (*Luronium natans*) lower volume of boat traffic
- Floating Pennywort a major issue at northern extent
- Combined with dredging project and ERDF Funding for enhancements
- Mitigation measures installed
- Spot chemical treatment & raking removal (4 visits per year until 2024)

