

Corporate report: Customer Notice

2018-012: Waste Forecasting

Submissions

LLW Repository Ltd publishes Customer Notices which provide key information and updates to Customers

Press release: Native crayfish make a comeback in Lincolnshire

A threatened species of crayfish is making a comeback in Lincolnshire thanks to efforts by the Environment Agency and local conservation groups.

Last July, 600 white-clawed crayfish were moved from locations in the River Witham – where they're at risk of being wiped out by invasive signal crayfish – to new remote locations including a chalk stream in the Lincolnshire Wolds.

Now, surveys show the transfer – the first in the county – has been successful, and the crayfish have started to breed.

Native white-clawed crayfish have been in decline since non-native American signal crayfish escaped into UK waters in the 1970s. These larger, invasive crayfish outcompete native species for food and habitat and carry a disease fatal to the UK species.

But working with partners such as the Lincolnshire Chalk Streams Project (LCSP) and the Lincolnshire Wildlife Trust, the Environment Agency is seeking to secure their future by relocating them to areas free of the invaders in a scheme known as the 'ark project.'

Richard Chadd, senior environmental monitoring officer with the Environment Agency said:

These crayfish are a vital part of our ecology, so preserving them is yet another example of how we're protecting our environment for the future.

Having personally worked on this project – physically picking up these crayfish, measuring them, checking their health and relocating them to their new homes – I'm thrilled that our efforts at protecting them have been so successful.

Previously the crayfish were only present in two locations in the county, so we've potentially doubled their habitat in the space of a year – and Lincolnshire's rare, protected chalk streams are the perfect home. They're remote, clean, and the water is high in calcium, which helps crayfish form strong exoskeletons and makes them more robust.

Ruth Craig, Lincolnshire Chalk Streams Project Officer, said:

The Lincolnshire Chalk Streams Project jumped at the chance to support this EA-led initiative to establish native white-clawed crayfish sites in the chalk streams of the Lincolnshire Wolds.

We offered up some potential sites and once they were all assessed, we were excited to hear one of the chalk streams had scored as highly suitable.

We worked closely with local landowners to secure access and their long-term support in protecting the area from disturbance, and we will return to monitor the populations as needed. But the hard work doesn't end here – we plan to continue identifying further possible locations, supporting the work of the EA.

White-clawed crayfish, named for the pale colour of the underside of their claws, are the country's largest native freshwater crustaceans. Generally growing to 30 – 40mm in length, some can live up to 12 years and reach 120mm long from tip to tail.

Collectively, non-native invasive species cost the UK economy an estimated £1.7b every year.

Everyone can do their part to prevent the spread of invasive species and protect native ones by taking care to follow the biosecurity steps of thoroughly checking, cleaning and drying your clothes and equipment any time you've been in the water. You can get more information from the [Non-native Species Secretariat](#).

[Press release: Native crayfish make a comeback in Lincolnshire](#)

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[Press release: Happy dace for River Tyne fish survey](#)

The Environment Agency joined forces with expert anglers for the second year running to carry out an important survey to assess the numbers of a highly prized fish in Northumberland.

Surveys for dace, the main species of coarse fish in the River Tyne, much valued by anglers, took place on the North Tyne tributary as part of a wider programme to monitor any impact of the revised releases of water from Kielder Reservoir.

Environment Agency specialists teamed up with 17 expert anglers from the Tyne Anglers Alliance and other fishing clubs – with anglers from as far afield as Yorkshire and the Scottish Borders making the trip – to fish around a dozen locations between Kielder and Watersmeet.

The aim was to both update and enhance our existing information on dace populations.

There were some great results – including a whopping 27lb catch at Wark and an 18lb bag from Redesmouth.

Good numbers of young dace

Environment Agency Fisheries Officer Niall Cook, who organised the survey, said:

After such a successful event last year we are now looking to run this annually so we can build up a detailed picture of where dace can be found in the North Tyne and also where perhaps they aren't so abundant.

The survey this year was particularly successful in that it showed good numbers of young dace in the middle reaches of the North Tyne. This contrasted with the 2017 survey when almost all dace caught were older fish.

Angling was used in preference to other survey methods like electric fishing and netting because dace are highly mobile and difficult to catch, especially in wide rivers like the North Tyne.

The Environment Agency, Northumbrian Water and the hydropower operator, Innogy Renewables UK Ltd worked together in 2016 to make changes to the operating arrangements for the release of water from Kielder Reservoir.

An annual trial concluded in October 2017 and the changes are intended to maintain the future of water supply to the North East, better reflect the natural changes in river flows, provide increased flood storage in the reservoir and increase the generation of clean, renewable energy.



Surveys provide information

Hydrologist Rachel Merrix, who led on the trial for the Environment Agency, added:

Although the annual trial of the revised release regime ended last October we continue to monitor river flows and temperature to ensure that the environment is protected. Fish surveys such as this

one provide us with additional information which increases our confidence that the revised releases are not having an adverse effect on native coarse fish.

We have had some feedback from both reservoir and river users on the impact of the releases but would encourage others to let us know if they have any concerns.

We continuously monitor river levels, flows and water temperatures at several locations in the Tyne catchment and all of this data is available on request.

Other activities to monitor the impact of the new Kielder release regime include temperature monitoring at 11 new sites, as well as electric fishing surveys for juvenile salmonoids and freshwater pearl mussel assessments.

For more information and updates on the trial visit [the Kielder release website](#) or email Kielder.reservoir@environment-agency.gov.uk with any queries or observations.

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