

Summer advice for fishery managers

June 2019

Act now to protect your fishery

Prolonged dry weather can affect fish stocks and the fisheries they support. Where water levels fall, low dissolved oxygen levels can put fish at risk, especially during warm weather and where there is a lot of algal or weed growth. Fishery managers will be well aware of the risks affecting their waters, but we hope this advice will be a useful reminder.

River fisheries

- Think carefully before cutting weed as it helps to hold up water levels, provides shelter and shade. Cutting weed also disturbs silt and this can reduce water quality. Retaining bankside vegetation can also provide valuable shelter and shade during warm weather. If you do cut weed, avoid piling it on the bankside as the run-off can further reduce dissolved oxygen.
- If you plan to stock your water with fish, consider delaying until cooler conditions return and consider stocking at lower densities.
- Avoid stocking locations that are vulnerable to drying out such as headwaters and perched or raised channels, particularly from mid-summer when groundwater and river levels are likely to fall most sharply.
- Talk to neighbouring fishery managers, river keepers and other parties about how best to manage river flows to avoid ecological impacts.
- In raised or perched channels, check hatches and structures for unnecessary leakage in order to maintain depth. Even with low flows, deeper areas will still provide fish with shelter and useable habitat.
- Low flows and reduced water levels can increase the risk of predation by fish-eating birds. To reduce this pressure, maintain as much rough and overhanging marginal cover as possible, particularly adjacent to pool habitats which provide areas for fish to hide.
- Take care over fish welfare, particularly for more sensitive species - salmon, sea trout, brown trout, grayling, pike, barbel and large chub. If river water temperature is higher than 19°C then consider stopping fishing for salmon, trout and grayling. If river water temperature is higher than 21°C then consider stopping fishing for large chub, barbel and pike. We have produced advice for anglers to help protect fish during hot weather, this advice is available at www.anglingtrust.net/hotweather.
- Specific advice on good catch and release practices for salmon can be found on the Angling Trust website <http://anglingtrust.net/page.asp?section=1180§ionTitle=Save+Our+Salmon>. This includes a series of videos entitled "The Gift".

Stillwater fisheries

- Think ahead and be prepared. Plan what to do in the event of an incident. Sharing your plans with staff or with angling club members will help them be aware and prepared to reduce the impacts of warmer weather incidents at your fishery.
- Keep a close eye on water levels and look for any signs of fish in distress. Visit the water early in the morning when dissolved oxygen levels are at their lowest. You may want to measure the dissolved oxygen at regular intervals, at dawn, dusk, four hours after dusk and during the day if needed.
- If you believe your fishery may be at risk from low dissolved oxygen levels (due to algal growth, low water levels or elevated temperatures), be prepared and check that you have access to water pumps, aeration equipment and generators. You may be able to share equipment with a nearby fishery or you

customer service line
03708 506 506

incident hotline
0800 80 70 60

floodline
03459 88 11 88

could make your own Venturi aerator with help from online step-by-step videos
<https://www.youtube.com/watch?v=IZyRL5Ojqpo>.

- If you need to remove weed, avoid piling it on the bankside as the run-off can further reduce dissolved oxygen.
- To help preserve valuable water and maintain water levels, repair leaking sluices or control structures. Please make sure any work doesn't have unintended consequences on neighbouring watercourses.
- Consider restricting ground-bait and fish feed to avoid a reduction in water quality.
- Take care over fish welfare. Minimise the use of keepnets. If a match is planned, consider using multiple weigh-ins to avoid unnecessary stress to fish stocks. You may need to consider reducing angling pressure to protect fish stocks.
- Consider avoiding stocking your water with further fish. If stocking is necessary, consider delaying until cooler conditions are restored and/or stock at lower densities.
- Consider reducing fish stock densities to avoid problems later. Perhaps remove smaller fish to protect larger, more valuable specimens. Any fish that are removed should be restocked legally and without increasing the risk to the receiving water, or dispatched humanely.

Please note:

- Make sure you hold an abstraction licence if you are abstracting more than 20cubic metres/day and comply with the conditions of you abstraction licence. For more information please see <https://www.gov.uk/topic/environmental-management/water>.
- If you need to stock your water with fish, make sure you have a site permit and can comply with the conditions. This is designed to reduce the spread of fish diseases and invasive non-native fish species. You may need an authorisation from us to remove fish from your water (other than by rod and line). Details of these permits can be found at <https://www.gov.uk/guidance/permission-to-move-live-fish-to-or-from-a-fishery>.
- If you need to control weed, please remember you will need our agreement to use herbicides in or near water. You can find out more at <https://www.gov.uk/government/publications/application-to-use-herbicides-in-or-near-water>.
- Fish may be more vulnerable to fish diseases during warm weather and when they are stressed. Please report any suspected disease outbreaks to us immediately.
- **If you see any fish in distress or suspect a fish disease outbreak please tell us immediately by calling our 24 hour National Incident Hotline on 0800 80 70 60.**

For further advice please contact your local fisheries team by calling 03708 506 506 (Mon-Fri, 8am - 6pm).

For the current water situation in your area please look at our website at:

<https://www.gov.uk/government/collections/water-situation-reports-for-england>

Thank you for your support in helping us minimise the impacts of dry weather.

Environment Agency Fisheries Team