

Press release: Environment Agency supports water restrictions in the North West

The Environment Agency supports United Utilities plans for water restrictions across the North West to help reduce demand for water during this period of prolonged dry weather and protect the environment as well as public water supplies.

Although the region has seen some periods of rainfall in localised areas, over two very dry months, we have seen a rapid decline in reservoir levels in the North West and we have started to see significant impacts on the local environment.

The Environment Agency uses regulatory powers to manage water availability to maintain essential supplies for people and the environment and have been responding to impacts on the environment due to the dry weather over the last few months. Environment Agency teams have stepped up incident response as well as regulation of those abstracting water to ensure the environment is protected.

Environment Agency teams respond 24/7 to environmental incidents to protect people and the environment and have received a sharp increase in reports of environmental incidents in the North West, with 25 per cent of July's estimated reports received in just the first three days.

Incidents can either be caused or exacerbated by the hot, dry conditions – such as fish in distress, or fish caught in pools due to flow flows, reports of Blue-Green algae, or moorland fires. Teams have been carrying out fish rescues, including one in Borrowdale, Cumbria, on Saturday and attending fish kill incidents exacerbated by dry conditions, such as that at Pigs Lee Brook, Bury, Greater Manchester, on Friday.

Environment Agency teams are meeting with affected groups including farmers to provide practical advice about conserving water and planning for prolonged dry weather. We have carried out abstraction licence checks, visited critical spray irrigators, carried out water abstraction visits, advised businesses and farmers on water usage, and inspected rivers where the flows are lowest.

Hydropower turbines have been checked for compliance including fish-pass and weir flows, and we have been on site monitoring air quality in response to the Saddleworth moorland fires. Teams are monitoring for environmental impacts across the region, and taking action to protect the environment.

Jim Ratcliffe, Environment Agency Drought Manager, said:

United Utilities plans for a temporary usage ban is a responsible measure to help preserve public water supplies and protect the

environment given the impacts we are seeing from the dry weather.

Household water restrictions such as those proposed by United Utilities can reduce the demand for water by up to 10% – which is significantly more than changes to abstraction permits, or using other sources. This will help us balance the need of people through public water supplies, whilst protecting the sensitive natural environment.

Each week, our hydrology experts monitor river flows and groundwater to see how much water there is and plan accordingly. Just like in a flood scenario, we have put robust and well tested plans in place during this period of dry weather, ensuring our demand for water is managed in the best possible way.

Water is a precious resource and we always advise that businesses, farmers and householders use water wisely – especially during a period of dry weather – and to follow the advice of their water company. We all need to increase the amount of water we save to protect our natural environment and drinking water supplies.

As always, if people see any environmental impacts due to dry weather, such as fish in distress, please report it to the Environment Agency incident line on 0800 80 70 60 so we can investigate and take action.

The Environment Agency continues to work with United Utilities to ensure that, at all times, we make the best use of the water available and minimise any potential impacts to people, the environment and tourism should the dry weather continue.

Cumbria's unique geography makes it sensitive to high and low rainfall and the Environment Agency works with communities throughout the year to manage this.

During dry spells it's not unusual for some rivers and lakes in the North West to deplete quickly, during even short periods of low rainfall, and they tend to recover quickly when the rain returns.

If we have intense rainfall on dry or compacted ground it runs off rapidly making river levels rise rapidly. This can cause localised flooding so it is possible to have floods during prolonged dry periods.

Press release: Blue Green Algae remains present in four Lake District locations

So far this summer, the Environment Agency has confirmed that Blue Green Algae is present in four Cumbrian locations. Windermere, Ullswater, Coniston Water and Killington Reservoir have all tested positive for the Algae (cyanobacteria), posing a risk to the health of people and animals.

With sampling taking place on a weekly and monthly basis, a number of other locations have also been tested, but so far have come back negative.

As welcome as the dry weather is for some, it is obvious that with higher temperatures and prolonged low rainfall that some areas of the natural world are suffering and the increase in Blue Green Algae across the usually damp Lake District is just one consequence of this.

Jim Ratcliffe from the Environment Agency said:

Blue Green Algae is a completely natural summertime occurrence, however it can be toxic and as such, users of these lakes must remain cautious. As well as having a negative effect on the appearance, quality and use of the water, it can also move around – you could see it one day, but it may have moved the next.

We rely on members of the public to report suspected appearances of Blue Green Algae to our Incident Hotline on 0800 80 70 60. Once a report comes in we will send our samplers to test it and if confirmed, will contact landowners such as local authorities encouraging them to display warnings to notify the public of the health risks.

We will then continue to take samples of affected lakes throughout the summer on a weekly or monthly basis.

Water bodies affected by Blue Green Algae, or Algal Blooms may appear to be green, blue-green or greenish brown and can produce musty, earthy or grassy odours. Blooms can also cause foaming on the shoreline, which can sometimes be confused with sewage pollution. During a bloom, the water becomes less clear, blocking sunlight and stopping plants in the water from growing.

Blue Green Algae naturally occurs in inland waters, estuaries and the sea. Blooms can form when their numbers become excessive. Once algal numbers are high, the bloom is likely to persist throughout the season, declining only on the onset of cooler conditions.

Some types of algae, for example blue-green algae, form blooms and scum which can result in the production of toxins. These toxin producing blooms are called Harmful Algal Blooms. These toxins can be harmful to wild animals, farm livestock and domestic pets. In humans, they have been known to cause rashes after skin contact and illnesses if swallowed. Not all algal blooms and scums are toxic, but you can't tell just by looking at them, so it's best to assume they are.

From widespread moorland fires on parched ground, to fish in distress due to low water levels and algal blooms – these are all indications of the prolonged dry weather affecting our environment. Hot and dry weather also brings a range of challenges at waste sites, mainly amenity issues like dust, odour and flies but also increased fire risk.

This week the Environment Agency announced its support to United Utilities' plans for water restrictions across the North West 'to help reduce demand for water during this period of prolonged dry weather and protect the environment as well as public water supplies.'

Cumbria's unique geography makes it sensitive to high and low rainfall and the Environment Agency works with communities throughout the year to manage this. During dry spells it's not unusual for some rivers and lakes in the North West to deplete quickly, during even short periods of low rainfall, and they tend to recover quickly when the rain returns.

If we have intense rainfall on dry or compacted ground it runs off rapidly making river levels rise rapidly. This can cause localised flooding so it is possible to have floods during prolonged dry periods.

For further information visit the [algal blooms advice page](#). Advice on what to look out for, and the effects of blue-green algae, can also be found at www.lakedistrict.gov.uk.

[News story: Emergency response prevents huge fish deaths at the River Mole](#)

Since the weekend, fish have been in distress in the River Mole due to environmental impacts caused by the current hot and dry weather conditions.

The Environment Agency has been at the watercourse throughout to take all necessary actions to prevent widespread fish deaths and to use re-oxygenating equipment to boost levels in the river.

Sadly, a significant number of fish, including perch, pike and roach have already died as a result of the naturally occurring incident. Due to the Environment Agency's emergency response it is hoped that now oxygen levels are stable, thousands more fish have now been saved.

Anna Burns, Environment Manager at the Environment Agency, said:

Our officers have worked around the clock to prevent widescale fish deaths at this much-loved river. It is distressing that a large number of fish had perished ahead of our efforts, but our swift emergency response has ensured that many more will now be saved.

We have worked in partnership with Gatwick Airport and Thames Water and we thank them for their valuable assistance regarding this incident. We will all continue to work to prevent further fish deaths and reduce potential harm to local wildlife.

During summer the Environment Agency regularly respond to reports of fish in distress due to natural processes reducing oxygen levels in the water. Hot, sunny weather can lead to low flows in rivers and still water fisheries (ponds and lakes) start to warm up.

Small still waters are particularly susceptible. Rescuing fish is part of the Environment Agency's fisheries management role. Fisheries teams are trained to use aeration equipment or hydrogen peroxide to restore dissolved oxygen levels. When necessary, fish will be rescued and transferred to safety.

Members of the public are encouraged to report any sightings of fish in distress to us via the Environment Agency's 24-hour emergency hotline: 0800 807060.

[News story: Dry weather update – 17th July 2018](#)

The Environment Agency continues to urge people to follow water company advice and use water wisely during these hotter summer months to help manage demand and reduce the impact on the environment. United Utilities has announced a 'temporary use ban' which is likely to come into effect in early August for its customers in the North West.

Paul Hickey, head of water resources at the Environment Agency, said:

Over two very dry months, we have seen a rapid decline in reservoir levels in the North West and we support the announcement by United Utilities to manage water supplies by introducing household restrictions.

Across the rest of England, most groundwater supplies are at healthy levels and water companies have enough water to maintain supplies if resources are managed properly.

Many rivers around the country have dropped to lower levels than normal for this time of year, which can be damaging to wildlife. We have robust plans in place to respond to these pressures and have stepped up our incident response as well as regulation of those abstracting water to ensure the environment is protected.

We are meeting with affected groups including farmers to provide practical advice about conserving water and planning for prolonged dry weather. We encourage everyone to use water wisely to conserve supplies and protect the environment.

During hot weather the Environment Agency works with water companies and other organisations to reduce the impacts of the hot weather on the environment. Steps include rescuing fish, responding to incidents, regulating water abstraction, advising businesses and farmers on water usage and monitoring for environmental impacts.

The Environment Agency also takes action to ensure water companies have made robust plans for managing water supplies, although water companies themselves would decide on proposing water restrictions.

If the public see fish gulping for air that could be because of reduced oxygen and river flows, please report it the Environment Agency incident hotline on 0800 80 70 60.

More detail on the current water situation is available on the Environment Agency's Creating a Better Place blog:

[Summer has started – what does that mean for the water situation in England?](#)

[Press release: £1m culvert repair work to reduce flood risk set to begin](#)

The £1million culvert repair project is due to start on Monday 23 July and is expected to take 13 weeks to complete.

Environment Agency contractors, JBA Bentley, will be on site to carry out the

work in the Lancashire town to make Victoria Clough culvert structurally sound.

Culverts are structures which carry water underground. They were often built to allow development to take place around them such as roads, homes and businesses. Many people live and work near culverts and may not even know they are there.

A new culvert will be installed beneath the disused railway embankment to replace the existing one which has collapsed. The team will also re-line or replace a number of sections along the length of the culvert at locations under Victoria Road and the A56 Skipton Road.

A new and improved trash screen will also be fixed at the inlet of the culvert, to help reduce the risk of it becoming blocked with debris and making it easier and safer to clear when water levels are high.

During the period of work there will be disruption to traffic using the A56 and Victoria Road. There will need to be road closures on Valley Road and New Road with local diversions and temporary traffic lights put in place, and some parking restrictions on Victoria Road.

Paul Swales flood risk advisor at the Environment Agency said:

Earby has suffered devastating flooding over recent years, most notably the Boxing Day 2015 flood. We're pleased to be starting this repair work which will bring significant flood risk benefits to homes and businesses.

We understand that this traffic management could cause some inconvenience so we will do all we can to minimise this disruption as much as possible. We'd like to thank residents and businesses for their patience and understanding while we carry out this essential work to reduce flood risk.

Funding for the project comes from £813k of Grant in Aid and £200k of Yorkshire Local Levy.

Since the floods of Boxing Day 2015, the Environment Agency has worked in partnership with Pendle Borough Council, Lancashire County Council and Yorkshire Water to develop schemes to reduce flood risk in Earby.

Options explored

The Environment Agency continues to explore other options to reduce flood risk from all sources in and around Earby. Over the next 12 months, the team will investigate the options in more detail, which include flood storage areas on Earby Beck, the New Cut and Victoria Clough and installing a flood defence wall at Boot Street.

The Environment Agency is looking for volunteer flood wardens to play a key

part in keeping Earby prepared and informed before, during and after a flood. Anyone interested in becoming a flood warden can email heather.cottrill@environment-agency.gov.uk to find out more.

By signing up to the Environment Agency's free Flood Warning service residents and businesses can receive flood alerts and flood warnings for Earby Beck and/or Earby New Cut directly to their phone and emails, 24/7. Find out if you're at risk and [register for free flood warnings.](#)