

Outbreaks of Koi herpesvirus (KHV) disease in 2021



KHV is a serious viral disease of fish and is a listed disease in the United Kingdom. It affects all varieties of common and ornamental carp species (*Cyprinus carpio*) and can result in large scale mortalities. Fish with KHV disease may show the following signs, especially when water temperatures are between 16 to 28 °C:

- necrotic (white or brown) patches on the gills
- rough patches on the skin and sloughing mucous
- sunken eyes

You must [contact the FHI](#) if you suspect an outbreak of KHV. This includes fish with the above signs, or deaths of carp or carp hybrids.

There is no risk to public health.

Sites with KHV disease must undergo a formal monitoring programme for the duration of the calendar year immediately following the outbreak. The FHI visit these sites to look for evidence of disease and to inspect compliance with the conditions of the statutory controls in place. The controls are removed if the disease doesn't reoccur during this period.

Some sites choose to cull and disinfect their stocks, rather than undergo monitoring.

Confirmed designation

If a notifiable disease is confirmed, FHI places controls to limit the spread of disease (these are known as confirmed designations). The following conditions are applied under disease controls:

- No person may, without the previous consent in writing of the FHI, move any aquatic animal including eggs, and gametes, into, out of or within a confirmed designation area.
- Disposal of dead aquatic animals, including eggs and gametes, must be by an approved method for disposal of Category 2 animal-by-product waste in compliance with local Environmental Health department requirements

- Notify the Fish Health Inspectorate immediately should mortalities re-occur or spread to other waters within the designated area.
- Ensure the disinfection of all angling equipment such as unhooking mats, nets and weigh slings, prior to being removed from the designated area (exclusion of rods, reels and fishing line accepted). For this purpose, maintain on-site facilities for the disinfection of angling equipment upon exit from the designated area, as directed by the Fish Health Inspectorate. Maintain efficacy of disinfectant solutions in accordance with the manufacturer's instructions for use.
- The use of dedicated angling equipment supplied by the fishery is permitted, for sole use within the designated area.
- Display disease control zone signage on site for public information, as issued by the Fish Health Inspectorate.
- Notify the FHI in advance of all intended physical changes to sites within the designated area – such as site boundaries, number or size of waters, use of the site. FHI written permission will be required beforehand for all such changes.
- All requests for consents required under this Confirmed Designation Notice must be submitted to the FHI with a minimum of 5 working days' notice.

New outbreaks

When laboratory testing confirms KHV disease at a site, the FHI place statutory controls to limit the spread of the disease. These controls restrict movement of aquatic animals and ensure equipment is disinfected.

Disease controls lifted at:

- [Gatwick Koi – The Forge, Crawley, West Sussex – 6 May 2021](#) (PDF, 182 KB, 5 pages)
- [J & K Aquatics Ltd and Watermarque, North Petherton, Somerset – 15 July 2021](#) (PDF, 207 KB, 5 pages)
- [Marsh Trail Lakes, Suffolk – 16 July 2021](#) (PDF, 387 KB, 1 page)
- [Fisherwick Lakes, Staffordshire – 23 July 2021](#) (PDF, 337 KB, 1 page)
- [Willow Garth Fisheries, South Yorkshire – 29 July 2021](#) (PDF, 380 KB, 1 page)
- [Hartley Lands Fishery, Kent – 30 July 2021](#) (PDF, 421 KB, 1 page)
- [Majestic Pool, East Yorkshire – 3 August 2021](#) (PDF, 293 KB, 1 page)
- [Southview Leisure Park, Lincolnshire – 6 August 2021](#) (PDF, 852 KB, 1 page)
- [Gellesters Lake, Gloucestershire – 6 August 2021](#) (PDF, 315 KB, 1 page)
- [Spion Kop Fisheries, Nottinghamshire – 9 September 2021](#) (PDF, 274 KB, 1 page)
- [Theydon Bois Valley Lakes, Essex – 16 September 2021](#) (PDF, 401 KB, 1 page)
- [Bennion Pools, Leicester – 17 September 2021](#) (PDF, 504 KB, 1 page)
- [Coppice Lane Pools, Staffordshire – 21 September 2021](#) (PDF, 339 KB, 1 page)
- [Five House Farm Reservoir, Hertfordshire – 23 September 2021](#) (PDF, 222 KB, 1 page)

- [Prees Wood Pool, Shropshire – 24 September 2021](#) (PDF, 272 KB, 1 page)
- [Robs Mere, Essex – 28 September 2021](#) (PDF, 243 KB, 1 page)
- [Little John Lakes, Nottinghamshire – 29 September 2021](#) (PDF, 526 KB, 1 page)
- [Soham By – Pass Lake, Cambridgeshire – 1 October 2021](#) (PDF, 319 KB, 1 page)
- [Springwood Fisheries, Derbyshire – 1 October 2021](#) (PDF, 328 KB, 1 page)
- [Mill Road Fishing Lakes, Lincolnshire – 4 October 2021](#) (PDF, 257 KB, 1 page)
- [Parrots Paddock Farm, Somerset – 6 October 2021](#) (PDF, 247 KB, 1 page)
- [Elsecar Canal Basin including Elsecar Canal, South Yorkshire – 22 October 2021](#) (PDF, 801 KB, 1 page)

Further information

You can:

Background

Koi herpesvirus disease (KHV) is a listed disease under [The Aquatic Animal Health \(England and Wales\) Regulations 2009](#). KHV outbreaks have been subject to statutory controls in the UK since 2007. The UK maintains a surveillance programme for this disease.

When the FHI confirm an outbreak, they take steps to control and, wherever possible, remove the disease. This may involve movement controls on susceptible species in the affected area, enhanced biosecurity, culling of fish, and cleaning and disinfecting of the premises.

Once statutory controls are in place the site operators must write to the FHI to get permission to move live fish into, out of, or within the designated area, and to make material changes to the site or site activities. This also applies to fish eggs and gametes.

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Last updated 28 July 2022 [+ show all updates](#)

1. 28 July 2022

All 2021 KHV disease outbreaks have now been revoked.

2. 22 October 2021

A new disease outbreak listed – CD22.2021

3. 6 October 2021

A new disease outbreak listed CD21.2021

4. 4 October 2021

A new disease outbreak listed – CD20.2021

5. 1 October 2021

New outbreak of KHV added to the list at Springwood Fisheries.

6. 1 October 2021

New confirmed outbreak added to the list – Soham By – Pass Lake, Cambridgeshire – 1 October 2021

7. 29 September 2021

New confirmed outbreak of KHV now included in the list.

8. 28 September 2021

A new disease outbreak now listed, CD16.2021

9. 24 September 2021

The list of confirmed outbreaks has been updated.

10. 23 September 2021

CD14.2021 now published

11. 21 September 2021

A new disease outbreak listed CD13.2021

12. 17 September 2021

List updated with a new KHV confirmed outbreak at Bennion Pool.

13. 17 September 2021

CD02.2021 – Diseases controls lifted following disinfection.

14. 16 September 2021

Added Theydon Bois Valley Lakes, 16th September

15. 10 September 2021

A new disease outbreak listed

16. 6 August 2021

CD08.2021 & CD09.2021 now listed

17. 4 August 2021

CD07.2021 now added to 2021 listing

18. 2 August 2021

List updated with a new confirmed outbreak of KHV at Hartley Lands Fishery.

19. 30 July 2021

Added Willow Garth Fisheries, South Yorkshire – 29 July 2021

20. 23 July 2021

CD04.2021 now listed

21. 16 July 2021

New outbreak's CD02.2021 and CD03.2021 now listed

22. 30 June 2021

CD01.2021 has been revoked following completion of a cull and disinfection.

23. 7 May 2021

First published.