

# Evenlode Catchment Monitoring

## Key

- Evenlode Catchment Boundary
- Rivers and Watercourses
- Railway
- Field Boundaries
- Roads
- Buildings

## Environment Agency Monitoring

Hydrometric monitoring (record dates variable)

- + Groundwater level (observation bore)
- ▼ Precipitation
- River flow - continuous
- ★ Surface water level

Ecological monitoring

- + Invertebrate monitoring (records from 1985 to present)
- ◆ Macrophyte monitoring (records from 1994 to present)
- Fish monitoring (records from 1981 to present)
- Diatom monitoring (records from 2006 to present)

Water Quality Monitoring (records from 2000 to present)

- Site Open
- Site Closed
- ▲ Historical sonde locations

Thames Water Smarter Water Catchment monitoring

- Sediment monitoring
- ▲ Water quality monitoring

Citizen science

- ✱ Riverfly Partnership monitoring (records from 2007)

## Datasets

There is a long history of environmental monitoring within the Evenlode catchment. Many different types of datasets have been collected by a range of organisations and are described below.

**EA Hydrometric monitoring** - approximate location of all current sites used for monitoring water quantity in England, including groundwater, rivers, lakes, estuaries and rainfall. Locations are shown to a resolution of 1km.

**EA Ecological monitoring** - freshwater fish and ecology survey open data. These data are taken from the National Fish Populations (NFPD) database and Biosys (Biological survey database). The data from these locations can be accessed here:

<https://environment.data.gov.uk/ecology/explorer/>

**EA water quality monitoring** - locations of EA water quality locations from 2000 onwards. Monitoring is not continuous at all the locations shown on the map. The samples are taken for a number of purposes including compliance assessment against discharge permits, investigation of pollution incidents or environmental monitoring. The data for any location in England including the Evenlode can be accessed here:

<https://environment.data.gov.uk/water-quality/view/explorer/>

**Thames Water SWC** - Monitoring commissioned by Thames Water to monitor the impact of farm measures aimed at improving the water quality within the catchment. Monitoring broadly undertaken on a monthly between May 2019 and December 2020.

**Riverfly Partnership monitoring** - Locations of Riverfly Partnership survey sites. Riverfly populations are affected by water quality. Their common characteristics of limited mobility, relatively long life cycle, presence throughout the year and specific tolerances to changes in environmental conditions make them powerful biological indicators to monitor water quality. Further information can be found here:

<https://www.riverflies.org/>

**Freshwater Watch monitoring (Not yet provided)** - a citizen science scheme run by Earth Watch that enables individuals and communities to monitor, protect and restore their local water resources. Further information can be found here: <https://earthwatch.org.uk/get-involved/freshwater-watch>

## ECP Website

<https://www.wildoxfordshire.org.uk/biodiversity/river-catchments/evenlode-catchment/>

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## Data Sources

Environment Agency  
Earth Watch  
Thames Water  
Ordnance Survey

0 0.5 1 2 3 4 5 Km

Scale (at A0): 1:43,000

