Environment Agency Monitoring of Water Quality in the New Forest



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Monitoring WQ -Physiochemical elements

pH Ammonia Nitrate Phosphate Dissolved oxygen Temperature

Suspended solids





EA Specific Chemical Monitoring

 PAHs, drugs including caffeine, mood stabilizing drugs, insect repellent, solvents/solvent stabilizers, plastic additives, agricides, precursor to nylon 6-







Ecological elements







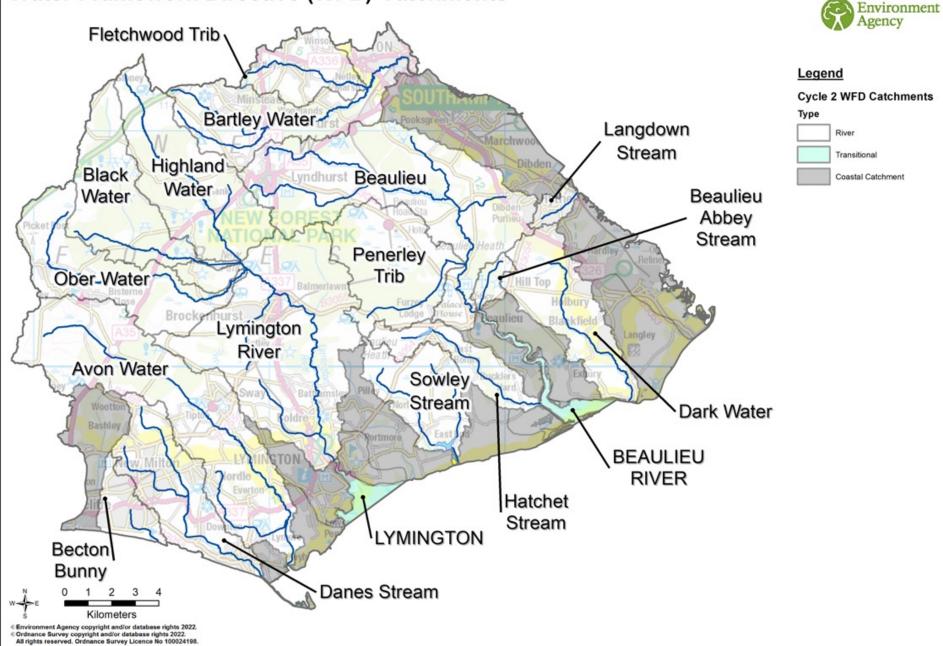
Sensitive to organic enrichment, pollution by toxic chemicals, acidification, abstraction Primarily sensitive to abstraction of water and morphological alterations Sensitive to nutrient enrichment and morphological alterations

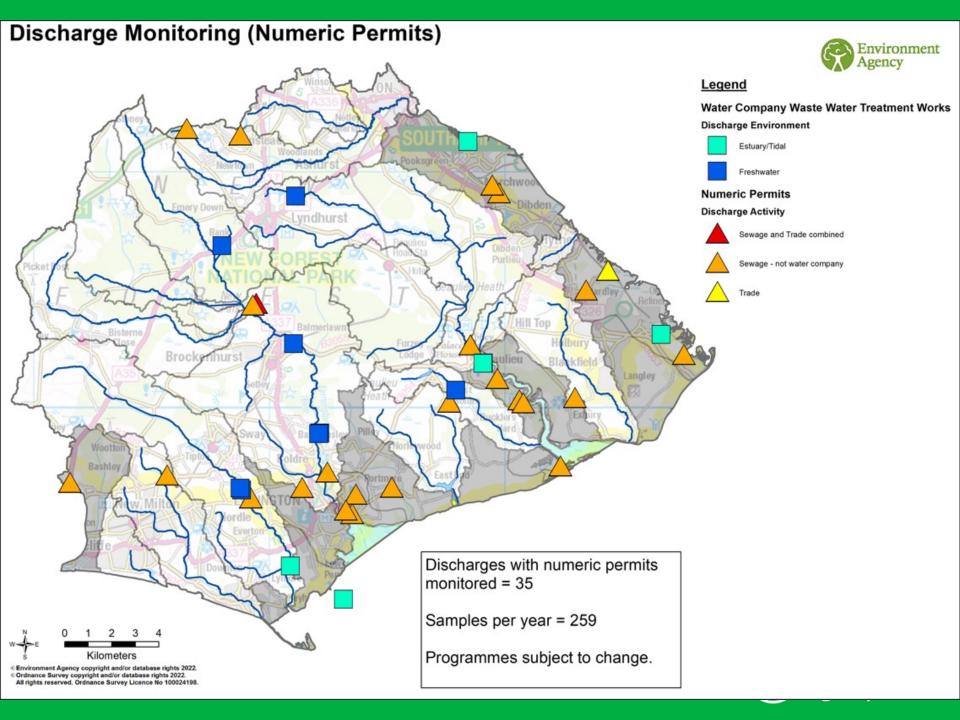
WQ investigations – 24 hour monitoring

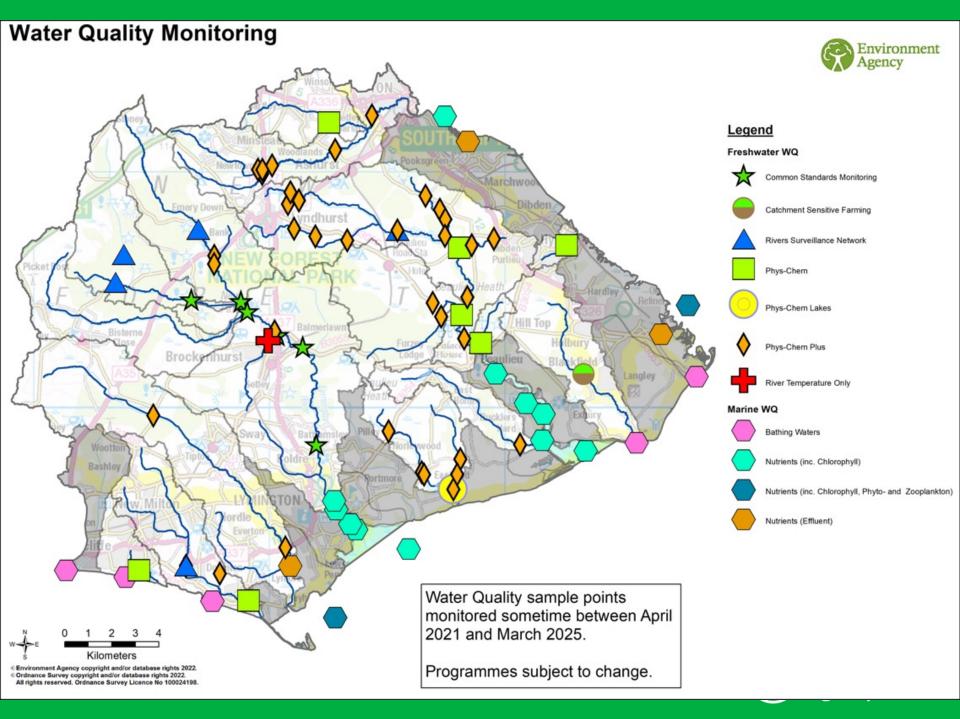


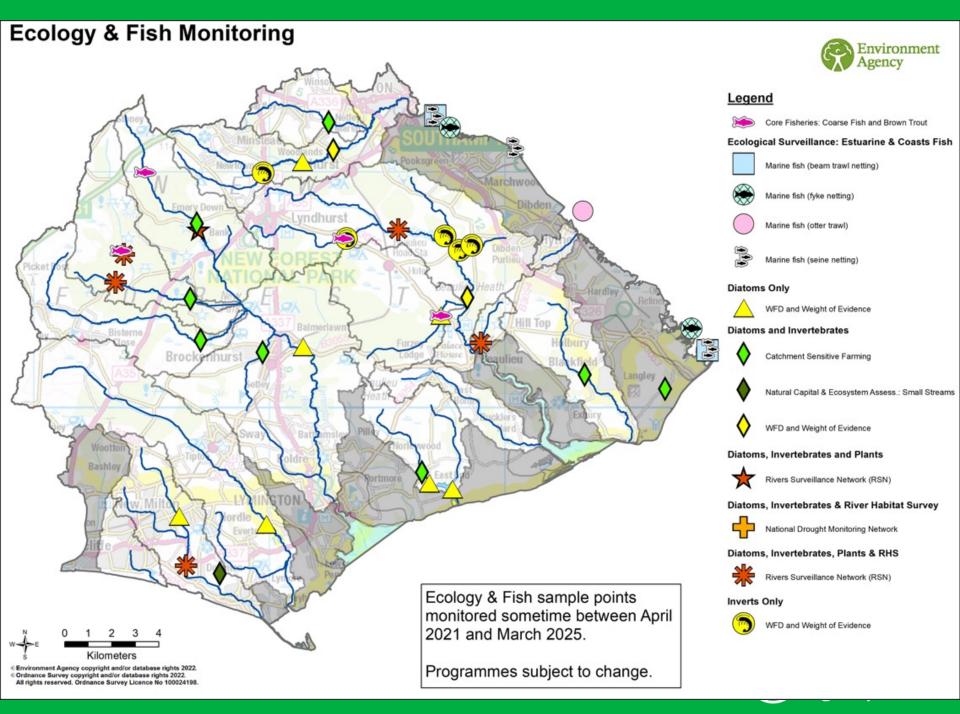


Water Framework Directive (WFD) Catchments









How do we use the data?

- WFD Compliance with environmental standards
- Trend analysis
- Hot Spots
- Investigations in cause/source of problems

- Evidence on health of the environment (incl prosecutions)
- Influence environmental management
- Target resources effectively eg Water Company investments





App gallery

Our Data is used in a wide range of Defra and third-party applications. Some of the applications below have been designed to meet a particular need, but they also provide examples of how the data can be used.

Asset data requirements library >

The terminology and categories we use to classify and describe Environment Agency assets. We also document the attributes we use to describe the properties of each Asset Type and its Element Types.

API

Bathing water signage

Create a sign for one or more bathing waters you control.

Asset information

Records relating to assets for environmental activities, particularly flood defences. This includes some assets owned or managed by others, and information on planned maintenance activities for the assets.

API

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Bathing water widget

Show up-to-date bathing-water quality information from the Environment Agency

Bathing waters

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Our Bathing Waters app, SWIMFO allows you to look up details of a designated bathing water by name or location.

API

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Catchment data explorer >

Explore and download information about the water environment in your area and



Supporting and using Citizen Science in the EA



Matt Owen-Farmer

