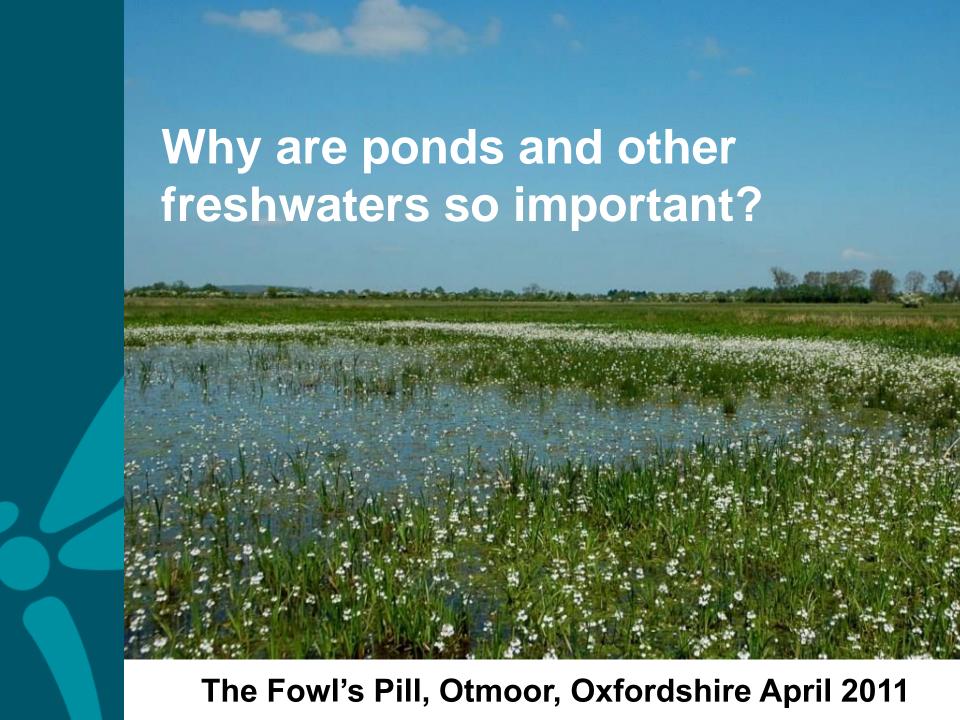
Pond management: Protecting and creating freshwater habitats



Jeremy Biggs





[Note: there are thought to be as many species in freshwater as in the sea, which occupies 70% of earth]

Ditches include some of our finest freshwater ecosystems: Humberhead Levels, near Doncaster

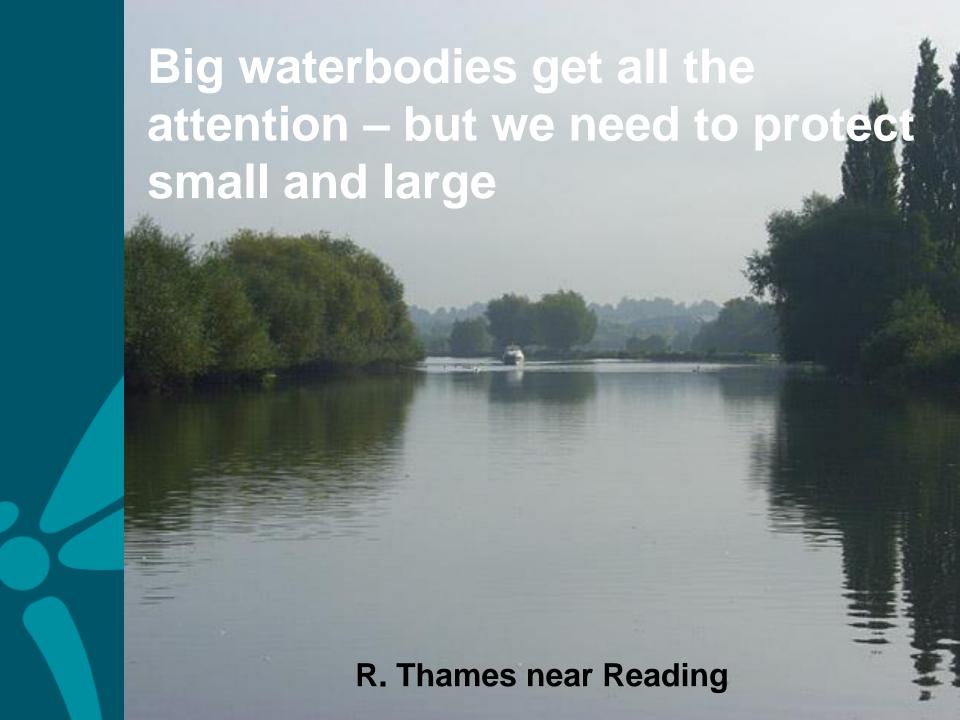
Small waterbodies make up the vast majority of freshwaters

They are the least monitored, protected and studied

Bog pools in the Scottish Highlands



Llyn Bryn-du, Snowdonia National Park (area: 0.5 ha)





Britain's 500,000 ponds are barely monitored at all (though FHT, our supporters and volunteers doing our best to change that)



Natural kettle hole pond (1.3 ha): Llyn yr Wyth-Eidion, Anglesey (photo: Tristan Hatton-Ellis)









If you have lots of plants.....





How can we monitor key species and pond quality?

Environmental DNA for great crested newts



Rapid water quality tests with volunteers

Sheet 1



Clean Water for Wildlife Student Pack

Are the ponds, streams and rivers in your neighbourhood clean enough for wildlife?

Join in with our schools and communities survey and find out.

Freshwater wildlife needs clean unpolluted water to survive. Sadly, it only takes a little nutrient pollution to damage habitats like streams and ponds, and to harm the most sensitive plants and animals that call these places home.

With your help, the Clean Water for Wildlife survey aims to find the hidden gems – places which are free from nutrient pollution, and to discover for the first time the extent of nutrient pollution facing freshwater wildlife today.

Summary steps ...

- Record your location. Identify where you are going to do the survey and mark it on a map.
- Collect a water sample from a local pond, lake, river, stream or ditch, your garden or your tap water.
- Predict the results from your site. Will it have high, medium or low levels of nutrients? Where does the water come from?
- Use the nutrient test kits to reveal the levels of nitrate and phosphate pollution. Were they what you expected? If not, why do you think they were different?
- Enter your results online through WaterNet and contribute to our national survey,



Clean Water for Wildlife is one of three projects within Freshwater Habitats Trust's People, Ponds and Water Project, funded by the Heritage Lottery Fund and Thames Water.





