



**A clear solution
for farmers**

ENGLAND CATCHMENT SENSITIVE
FARMING DELIVERY INITIATIVE



Environment
Agency

SEVERN
TRENT
WATER

Upper Avon Catchment Partnership

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Severn Trent Water

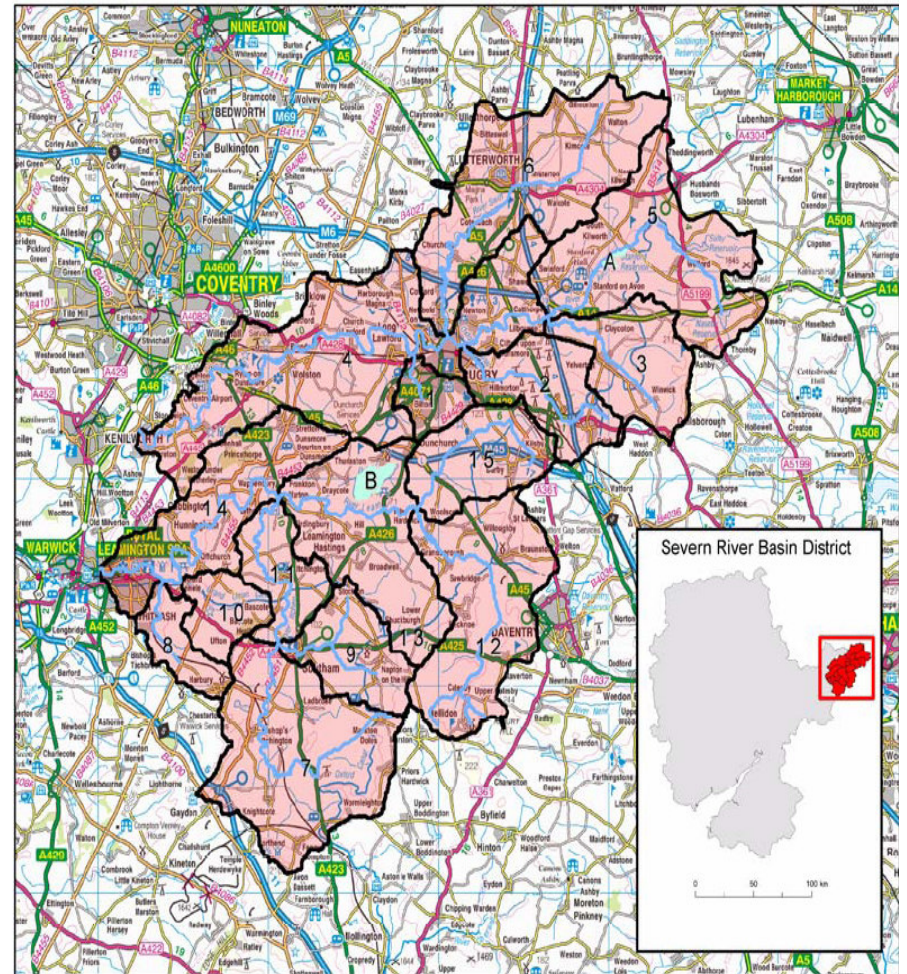
Senior Catchment Management Planner



Why the Upper Avon?

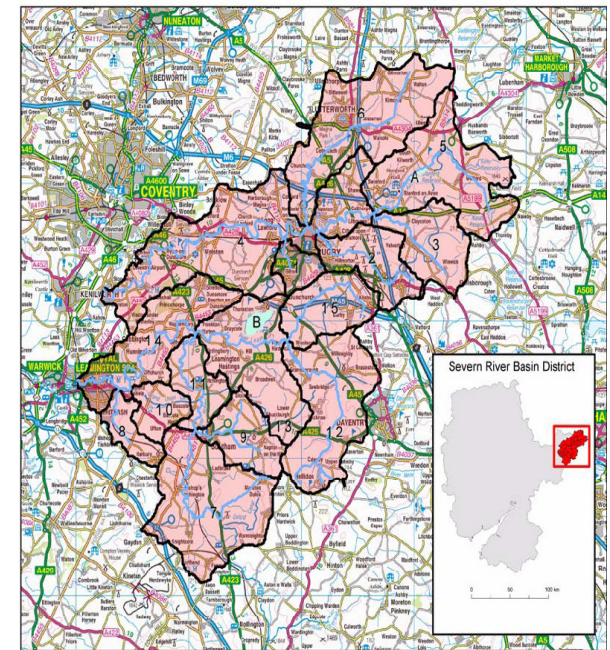
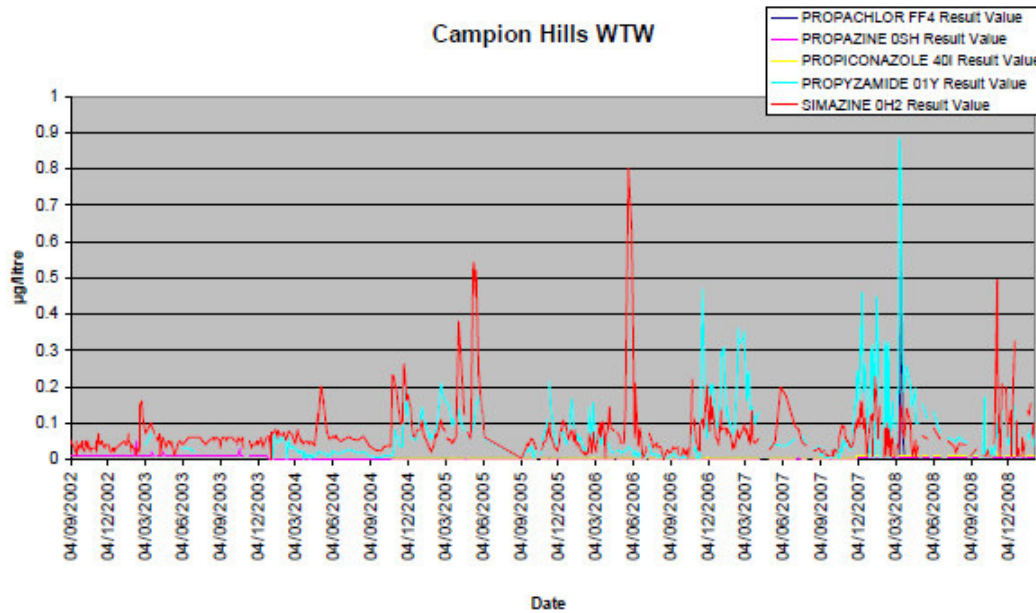


- 83% of catchment high risk for phosphate
- 53% of catchment high risk from diffuse pesticides
- 2 water treatment works
- 2 reservoirs
- Some pesticides e.g. metaldehyde can't be removed by treatment
- Pesticides recorded above drinking water quality levels



Campion Hills and Draycote

- Pesticides
- Pesticide modelling
- Working with EA and NE
- VI Pilot catchment



Campion Hills and Draycote 2009 - 2011

- Joint project with EA and NE
- Match funding from EA and NE for 2 years
- Awarded contract for catchment officer (ADAS) until March 2011
- Pesticide training for 57 farmers
- nutrient management plans and soil sampling for 28 farms
- Catchment stakeholder group
- Tours around WTW works ~ 50 farmers
- Sprayer event targeting 100 farmers
- Enhanced monitoring



Campion Hills and Draycote 2011 - 2013

- Secured further match funding from EA and NE for another 2 years
- STWL funding is paying for a full time catchment advisor through the Severn Rivers Trust
- Planned activities include:
 - Demonstration biobed
 - SMD monitoring
 - River walk and river habitat management workshop
 - Pesticide training
 - Pesticide health checks
 - CSF capital grant scheme



NEP Investigation

- Pesticide fate modelling at 1km²
- FOCUS surface water (FOCUSSW) approach for the spray drift pathway
- PRZM for the surface runoff pathway
- MACRO for the drain flow exposure pathway
- Baseline modelling
- Scenario modelling
 - Reduced application rates
 - Product substitution
 - Crop placement
 - Use of buffer strips

Midlands Water Quality Group



- Meets quarterly to discuss water quality issues in the Midlands
- Chaired by the EA
- Includes stakeholders from:
 - Water companies, NE, CSF, NFU, CLA, DWI and agronomists



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