A clear solution for farmers
CATCHMENT SENSITIVE FARMING

Priority Catchment Targeting Summary
March 2011 – March 2014

River Basin District: Severn **Catchment: River Teme**
Total Area: 1313 km^2

Reasons for designation
The River Teme is a Site of Special Scientific Interest (SSSI) and is the second largest tributary of the River Severn. Otters are widespread from the upper reaches of the Teme down to Tenbury Wells, and evidence of them has been found only a few miles from the confluence with the Severn, suggesting that most of the Teme is used. The upper reaches have many common sandpiper pairs, together with dipper. Sand martin colonies can be found in many of the eroding river banks. The fish community has long been recognised as being important, with salmon, grayling and brown trout on the upper reaches, and records occurring of the rare twaite shad. The lower and deeper waters support good numbers of chubb and barbel. The Teme has a good population of Atlantic stream crayfish *Austropotamobius pallipes*. The extensive shingle shoals hold a particularly interesting rare riffle beetle community.

The River Rea is part of the Teme catchment and confluences with the Teme between Rochford and Newham at SO636 685. There are issues with nitrate, phosphate, sediment, pesticides (including metaldehyde) within the Rea sub-catchment. It is therefore imperative that diffuse pollution in the Rea is corrected to reduce the effects downstream. These include effects both on the SSSI and also on the drinking water abstractions at Mythe and Strensham.

The River Clun is also a very important tributary of the Teme. In the lower reaches, from Marlow Bridge to Leintwardine, the river Clun contains an aging population of freshwater pearl mussels and is a Special Area of Conservation, as well being an extension of the Teme SSSI. There are issues with nitrate, phosphate, sediment and pesticides (including metaldehyde) within the Clun catchment. All of these pollutants are potentially harmful to Fresh Water Pearl Mussels. The mussel belongs to a group of animals known as mulluscs and since metaldehyde is a mulluscicide, we should adopt a precautionary principle and assume that it could have a detrimental effect on the mussels where detected in river water.

The Teme is also a Drinking Water Protected Area, with drinking water intakes downstream at Mythe and Strensham.

Priorities
CSF will target three sub-catchments in the Rea and continue work in the upper Clun, (see map below), to reduce diffuse water pollution from

agriculture (DWPA). DWPA is a cause of unfavourable condition for the SSSI and SAC. The Drinking Water Protection Area is at risk of failure due to nitrate and pesticides.

Objectives

- Reduce the loss of sediment, and associated and soil-bound phosphate particles through appropriate changes in land management practices
- Reduce inputs of fertiliser through improved analysis, calibration techniques and application techniques to reduce leaching to groundwater and run-off to surface waters
- Reduce inputs of pesticides in order to protect surface and sub-surface waters through promotion of correct calibration techniques, washing techniques and suitable disposal of washings.
- Reduce inputs of metaldehyde through promoting Metaldehyde Stewardship Group application rates and practices and use of alternatives.

Delivery

Target 353 farms in the target sub-catchments for Diffuse Water Pollution workshop.

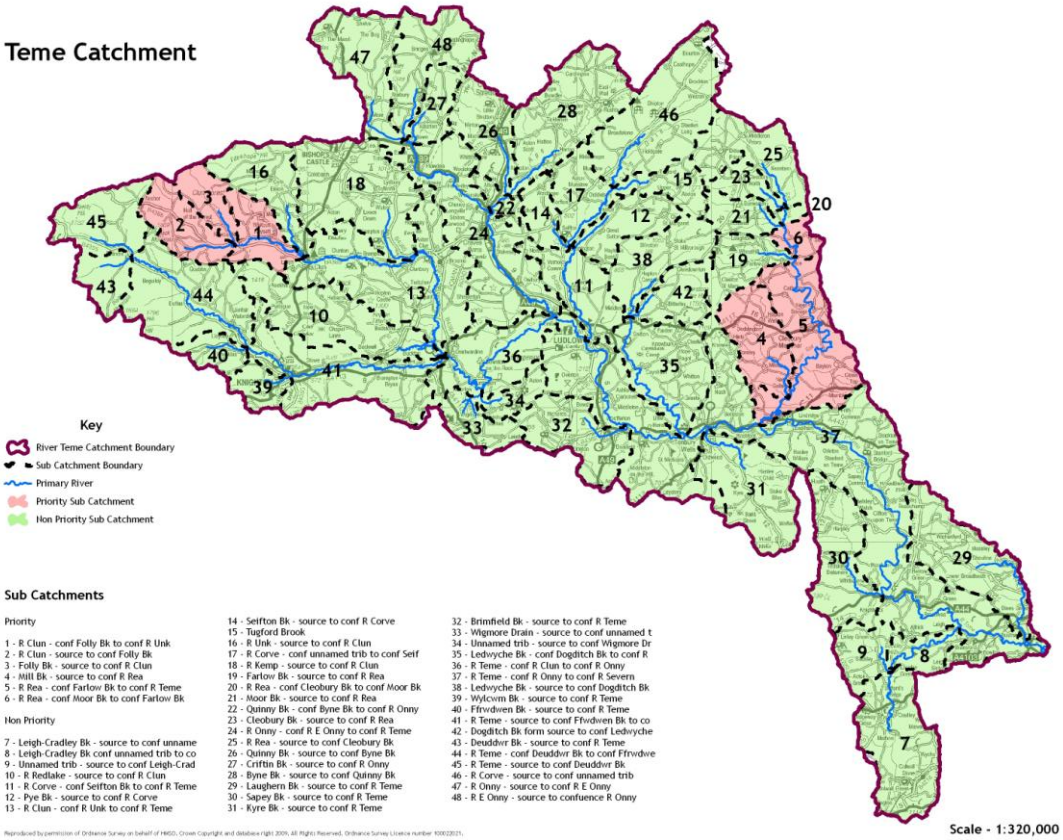
Farms will be encouraged to sign up for:

1. Whole Farm Plan visits and Infrastructure Audits
2. Nutrient Management Plan and soil manure/slurry testing
3. Slurry/manure handling one-to-one sessions
4. Pesticides handling and application training
5. Fertiliser spreader or pesticide sprayer free calibration and testing.

Farms will be visited to discuss Diffuse Water Pollution. The Capital Grant Scheme and Agri-Environment Schemes will be used to deliver resource protection. Resource protection measures under ELS should be considered and where applicable encouraged to reduce inputs and soil sediment losses

Targeting Map

Teme Catchment



Key

- River Teme Catchment Boundary
- Sub Catchment Boundary
- Primary River
- Priority Sub Catchment
- Non Priority Sub Catchment

Sub Catchments

Priority

1 - R Clun - conf Folly Bk to conf R Unk
2 - R Clun - source to conf Folly Bk
3 - Folly Bk - source to conf R Clun
4 - Mill Bk - source to conf R Rea
5 - R Rea - conf Farlow Bk to conf R Teme
6 - R Rea - conf Moor Bk to conf Farlow Bk

Non Priority

7 - Leigh-Cradley Bk - source to conf unname
8 - Leigh-Cradley Bk conf unnamed trib to co
9 - Unnamed trib - source to conf Leigh-Crad
10 - R Redlake - source to conf R Clun
11 - R Corve - conf Seifton Bk to conf R Teme
12 - Pye Bk - source to conf R Corve
13 - R Clun - conf R Unk to conf R Teme
14 - Seifton Bk - source to conf R Corve
15 - Tugford Brook
16 - R Unk - source to conf R Clun
17 - R Corve - conf unnamed trib to conf Seif
18 - R Kemp - source to conf R Clun
19 - Farlow Bk - source to conf R Rea
20 - R Rea - conf Cleobury Bk to conf Moor Bk
21 - Moor Bk - source to conf R Rea
22 - Quinny Bk - conf Byne Bk to conf R Onny
23 - Cleobury Bk - source to conf R Rea
24 - R Onny - conf R E Onny to conf R Teme
25 - R Rea - source to conf Cleobury Bk
26 - Quinny Bk - source to conf Byne Bk
27 - Criftin Bk - source to conf R Onny
28 - Byne Bk - source to conf Quinny Bk
29 - Laughern Bk - source to conf R Teme
30 - Sapey Bk - source to conf R Teme
31 - Kyre Bk - source to conf R Teme
32 - Brimfield Bk - source to conf R Teme
33 - Wigmore Drain - source to conf unnamed t
34 - Unnamed trib - source to conf Wigmore Dr
35 - Ledwyche Bk - conf Dogditch Bk to conf R
36 - R Teme - conf R Clun to conf R Onny
37 - R Teme - conf R Onny to conf R Severn
38 - Ledwyche Bk - source to conf Dogditch Bk
39 - Wylcwm Bk - source to conf R Teme
40 - Ffrwdwen Bk - source to conf R Teme
41 - R Teme - source to conf Ffrwdwen Bk to co
42 - Dogditch Bk form source to conf Ledwyche
43 - Deuddwr Bk - source to conf R Teme
44 - R Teme - conf Deuddwr Bk to conf Ffrwdwe
45 - R Teme - source to conf Deuddwr Bk
46 - R Corve - source to conf unnamed trib
47 - R Onny - source to conf R E Onny
48 - R E Onny - source to confuence R Onny

Scale - 1:320,000