



# A clear solution for farmers

CATCHMENT SENSITIVE FARMING

## Priority Catchment Targeting Summary March 2011 – March 2014

**River Basin District: Solway Tweed**

**Catchment: River Eden & Tributaries**      **Total Area: 2312km<sup>2</sup>**

### Reasons for designation

Water quality and SSSI failure on Dacre, Pow, Briggie, Leith, Lyvennet and Hoff sub-catchments. Diffuse pollution from manure, fertiliser run-off and soil run-off causing sedimentation.

### Priorities

**SSSI/SAC** – River Eden, unfavourable units: Leith, Lyvennet, Hoff, Briggie and Dacre

**Drinking Water Protected Area (Groundwater):** Local abstraction area at Bowscar

Where there is overlap with the above priorities, CSF will also address:

### Waterbodies failing to achieve Good Ecological Status

### Demonstration Test Catchment target areas

### Objectives

- Reduce the loss of sediment, and associated soil-bound phosphate particles through appropriate changes in land management and improved riparian management.
- Improve manure storage through infrastructure and storage improvements.
- Reduce connectivity between the land and surface water, through promotion of track and riparian zone management.
- Reduce inputs of fertiliser to reduce leaching to groundwater and run-off to surface waters, and appropriate timing of livestock manure applications.

### Delivery

**Riparian Zone** - farms with fields in the riparian zone will be targeted and offered soil, manure, infrastructure and nutrient planning services to address nutrients and sediment associated with soil wash and run-off, and to assess and address SSSI sites in 'Unfavourable' condition. Riparian owners will also be targeted through Environmental Stewardship (ELS/UELS and HLS and capital works if appropriate and funds are available).

**Existing engagement** - farms will be followed up to assess the extent to which advice given previously has been adopted and to offer further advice as necessary to deliver further significant benefits.

**New engagement** - livestock farms will be offered nutrient, livestock, and infrastructure planning services.

**Hoff:** This includes the Hoff, Drybeck, Scale Beck and Asby Beck. There are still some issues around riparian management and siltation and diffuse pollution from minor becks.

**Lyvennet:** This includes Morland Beck. The issues are around riparian management, nutrient management, diffuse pollution and sediment run-off.

**Leith:** Although there are other negative influences from Shap Sewerage Treatment Works, quarrying and M6 run-off, diffuse pollution and sedimentation are still significant issues on this catchment.

**Dacre:** This includes Skitwath Beck. Fertiliser use, overgrazing and agricultural runoff issues exist. Work is ongoing with Demonstration Test Catchment programme.

**Briggle:** The main issue is to reduce phosphate and agricultural nutrient run-off.

**Pow:** Phosphate and nutrient run-off are the main problems.

Parts of the Pow, Dacre and Morland Beck are also included in the Demonstration Test Catchment Project and close working will seek to improve results in these areas.

## Targeting Map

