



Restoring Norfolk's Rivers
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Norfolk Rivers Trust: balancing biodiversity with sustainable water usage

Current projects:

- River Nar (Catchment Restoration Fund, Coca Cola, WWF)
- 9 Chalk Rivers (Catchment Restoration Fund, other streams)





The 9 Chalk Rivers...

A catchment restoration fund project,
9 rivers, £1.3m, 17 projects





Projects:

- Sediment trapping (Nar, Glaven)
- Habitat restoration (Heacham, Babingley, Glaven)
- Re-connecting floodplains (Gaywood, Nar, Glaven)
- Pond and lake restoration (Glaven, Mun?)
- Community engagement (all)
- Catchment management planning (all)





Shared concerns

- Water quantity
- Water quality
- Soil loss and sedimentation
- Flooding and drainage
- Wildlife
- Changing climate
- Public access

and shared solutions...



Restoring floodplains: use it or lose it?

Floodplain connectivity

- Re-connecting rivers to floodplains
- Effective water-storage
- Increased floodplain and marginal biodiversity
- Improved water quality
- Nutrient re-cycling
- Improved silt management
- Working for farming



Rivers Nar, Glaven,
Stiffkey, Gaywood



Putting the bends back

Re-creating meanders

- Creates a greater variety of habitats
- Improves bio-diversity
- Improves silt management





The beneficiaries...







Stopping the silt

Trapping silt at source (traps, cover crops, wetlands, margins, access and storage points)

- Preserves top soil
- Re-cycles nutrients
- Protects habitats
- Improves water quality





Photos: Luke Mitchell, UCL





The desert menu

- Woody debris
- Channel sculpting (terraces, riffles *etc.*)
- Trees for shade
- Backwaters





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