

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)

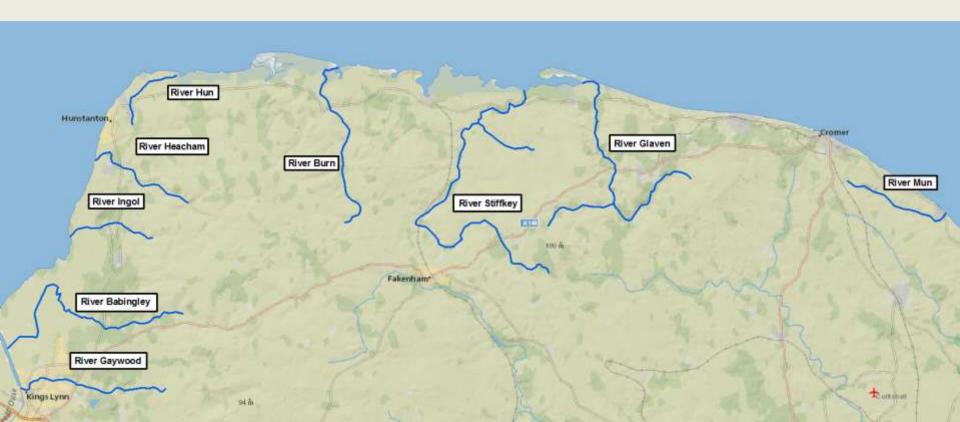


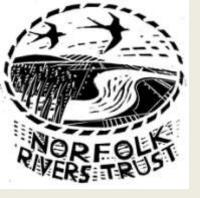


The 9 Chalk Rivers...

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



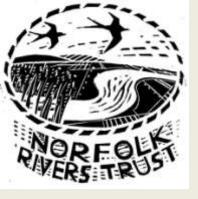




Projects:

- 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?

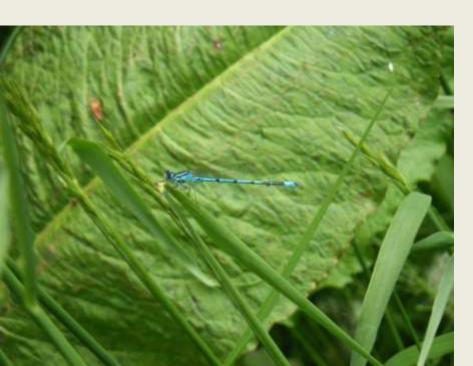
Floodplain connectivity

- 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



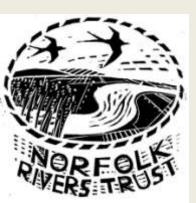




Putting the bends back

Re-creating meanders

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







The beneficiaries...





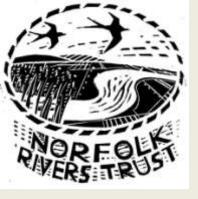


Stopping the silt

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

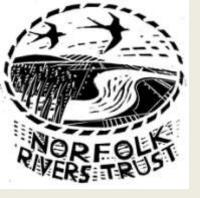
- Preserves top soil
- Re-cycles nutrients
- Protects habitats
- Improves water quality





Photos: Luke Mitchell, UCL





The desert menu

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

