



**South West**  
Water

# Upstream Thinking:

SWW's Catchment Management Programme

Dr David Smith,  
Upstream Thinking and Biodiversity Team leader (SWW)

Catchment Communities Conference

# Upstream Thinking: AMP5/6

Flagship environmental project  
£9m (2010-15) £10m (2015-20)



Partnership delivery



2 strands of work:

- moorland restoration
- agricultural improvements



Focus on water  
quality



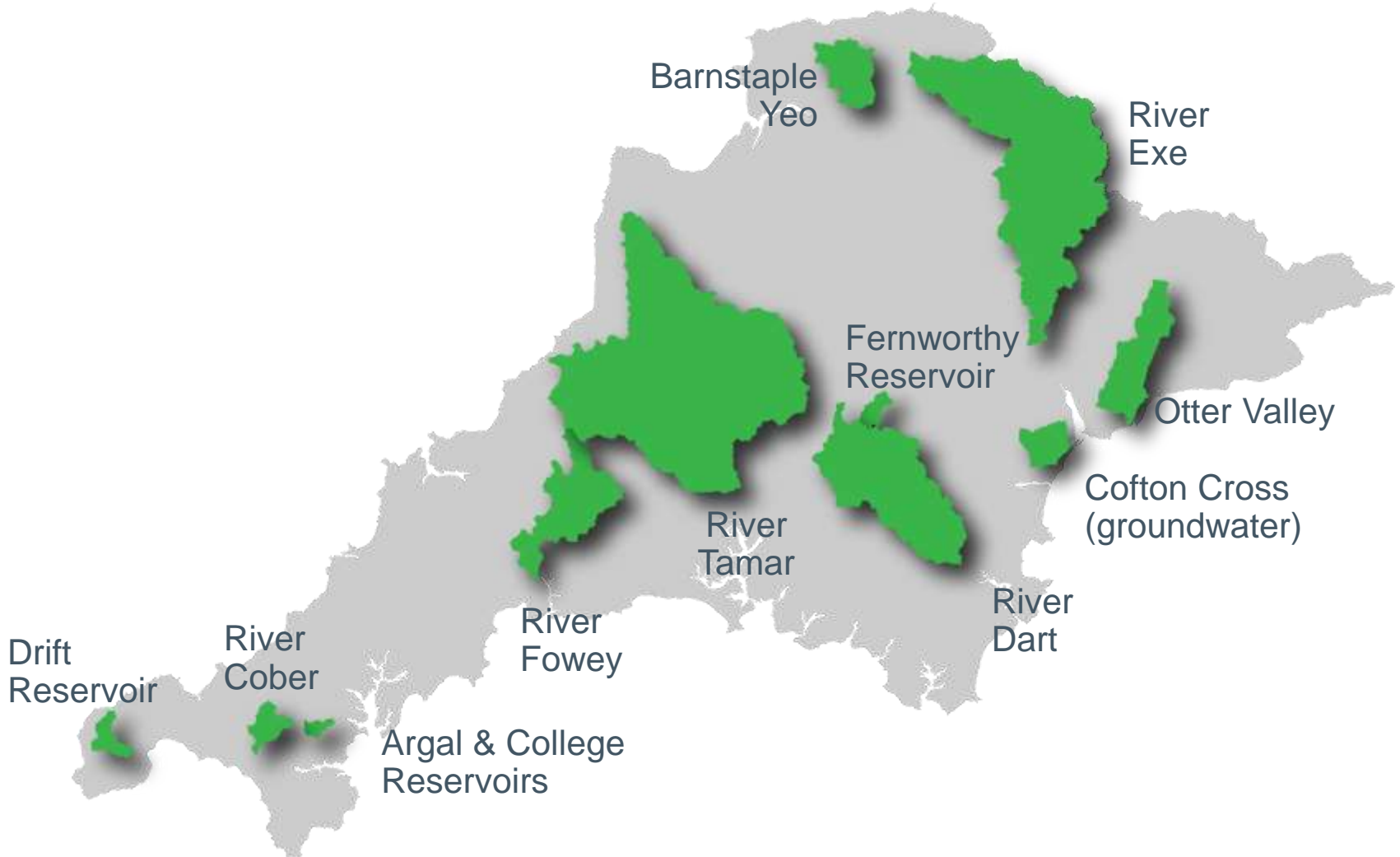
Improving natural water  
quality and water storage in  
the landscape

# Issues



Catchment Community

# UST2 catchments



# Upstream Thinking: Who and where?



## Catchment interventions:

- Cornwall Wildlife Trust (CWT)
- Devon Wildlife Trust (DWT)
- Westcountry River Trust (WRT)
- Exmoor Mires Partnership (EMP)
- Exmoor National Park (ENPA)

1. River Exe- Exmoor Mires, ENPA, DWT/WRT
2. River Dart – WRT and DWT
3. River Tamar – WRT and DWT
4. River Fowey – WRT
5. Cofton Cross and Otter- WRT/DWT
6. Fernworthy - DWT
7. Barnstaple Yeo - DWT
8. Argal & College - CWT
9. River Cober – CWT
10. Drift -CWT

## Scientific monitoring:

- University of Exeter (Mires)
- Project partners (within catchments)
- SWW (WTWs impact)



# Upstream Thinking: on the farm

Direct DOC/nutrient source



Simple investment



# Upstream Thinking: on the farm

Potential DOC/pollution source



Complex Capital investment



# Upstream Thinking: Natural Capital outcomes



Catchment Communities



- For example Culm grassland and valley mire restoration and management
- water quality and flow benefits



# Upstream Thinking: on the moors



Catchment C



# Multiple output schemes

**Catchment management for slow clean raw water supplies can also be targeted to deliver these additional outcomes:**

- flood risk reduction,
- reduction of catchment flow sources in to urban areas
- reduction of CSO discharge risks
- catchment nutrient loading reduction
- reduced nutrient and sediment loading into bathing waters
- carbon storage
- catchment base flows

**New areas and catchments for this approach in 2020 business plan:**

Roadford, Stitians , Wistlandpound , Burrator, Park and Stannon, River Axe

# UST3: Where for AMP7?

- New WINEP schemes
- New WINEP investigations
- Ongoing current schemes

