

SOUTH CUMBRIA RIVERS TRUST

Developing new methodologies for phosphorus removal to address diffuse pollution in rural settings, with a focus on Windermere.

8th November 2022 Cumbria Lakes Forum

Jayne Wilkinson







Windermere

- Water quality has been declining
- Windermere is a priority for SCRT (and other local organisations as recognised by the recent launch of the Love Windermere Partnership.
- The lake is classed as meso-eutrophic, with phosphorus being the main nutrient of focus.
 Windermere was previously classed as an oligotrophic glacial water body.
- Main inputs include a combination of WwTW, septic tanks & agriculture
- UU have undertaken work to improve the WwTW, further opportunities lie with septic tanks and agriculture
- Long-term approach to restoration is required (30+ years)
- Potential estimated £122million loss from water quality deterioration



Non-mains Working Group



Developing a working plan for non-mains drainage as part of Love Windermere partnership

Lake District Foundation, National Trust, United Utilities, Environment Agency, South Cumbria Rivers Trust

People/ Communities, Mechanics, Regulation, Environment, Investment

Close links with land management, comms and sustainable finance groups of Love Windermere



Decentralised Systems



Estimates for say septic tanks account for 9-30% of the P input into Windermere.

Approx. 1900 'septic tanks' in the catchment

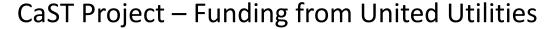
Many systems are out-dated and not maintained or now support different population needs.

Trailing new technologies and innovative ways of tackling increased nutrients.

Once developed the technology can then be used in other situations



Reedbed Restoration



- Restoring 800sq.m of reedbed at selected sites around Windermere
- Engage with communities about reedbeds







Reedbed Restoration



Restoration & Creation

- Planting reed plug plants
- Coppicing
- Pegging
- Cuttings









THANK YOU

Any Questions?

Jayne Wilkinson: jayne@scrt.co.uk

