# Reducing Phosphorus in SAC Rivers in Wales

#### **River Quality Liaison**







**River Quality Liaison Managers** Jennifer Grubb – South East Wales & Herefordshire Emily Payne – North Wales Kelly Jordan – West Wales

Key Areas River Quality Wastewater Operations Storm Overflows Bathing Waters Stakeholder engagement Nutrients

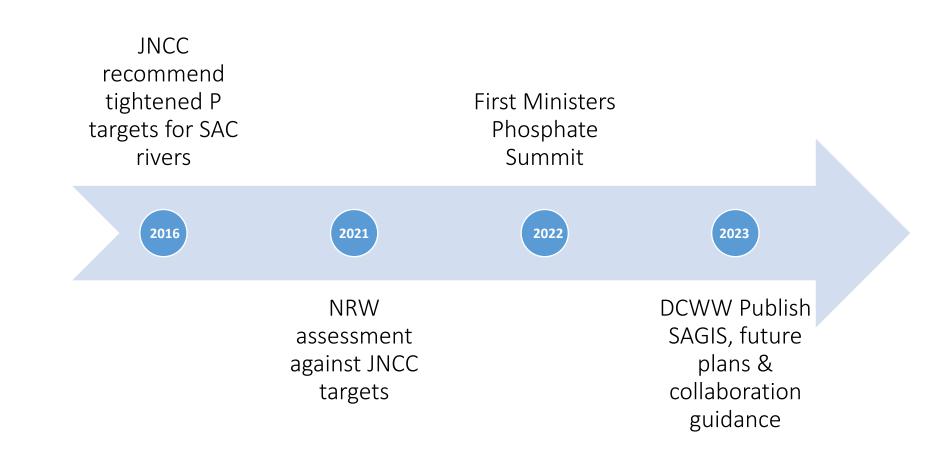












### Understanding the sources

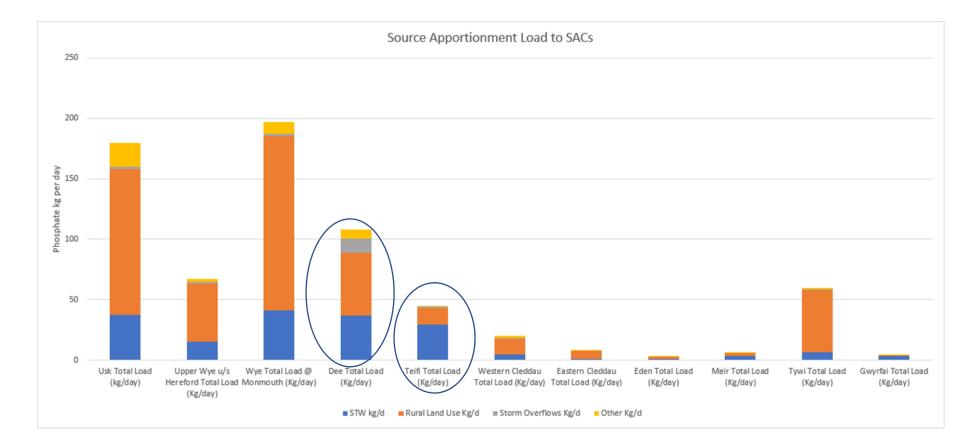
## of phosphorus

#### Source Apportionment Geographical Information System

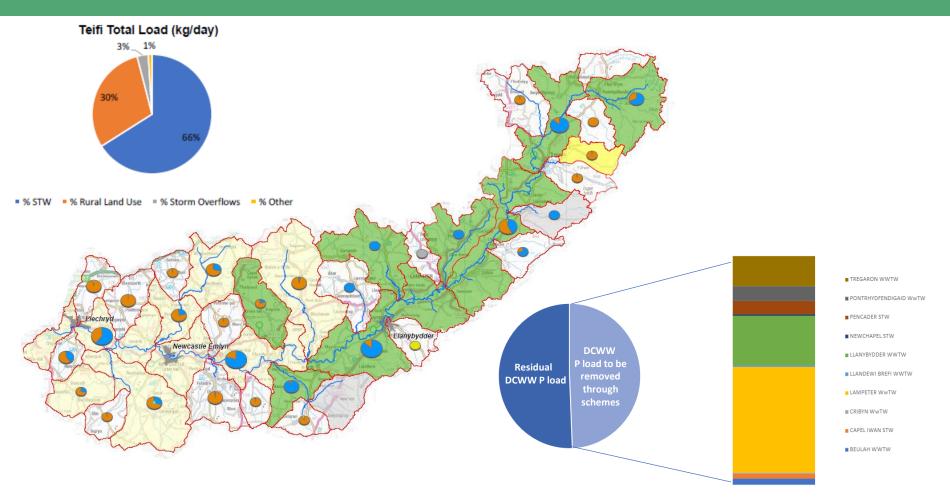
- Industry standard modelling tool used by WaSCs to inform investment needs
- Data sources include measure and estimates;
- Agriculture census information using PHYSIC model
- River flow data
- o Phosphorus sample data
- WwTW flow and quality
- Estimates of other diffuse and point source contributors
- Calibration process to support confidence & understand accuracy
- NRW commissioned audit process

# Our Local SACs

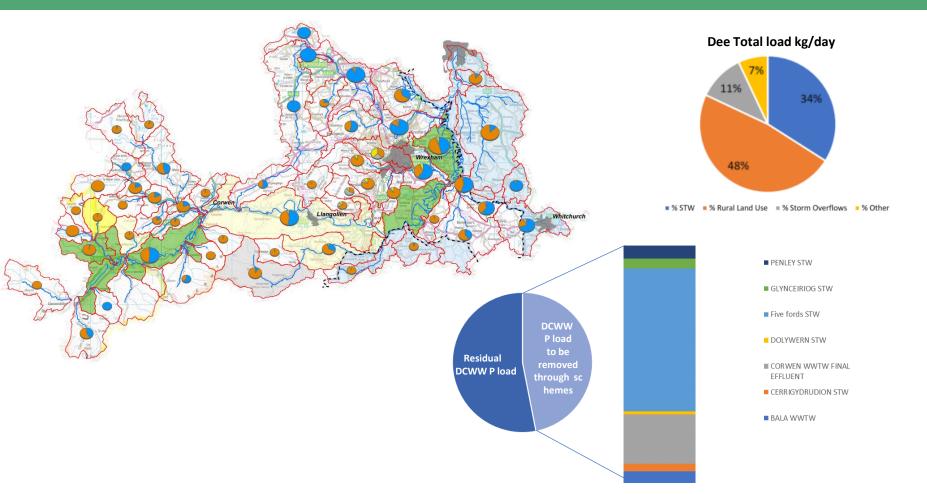
#### **Different catchments have different needs**



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#### **The Dee Catchment**



# Looking ahead



At P Summit announced 8 schemes accelerated into AMP 7 now totalling over 20 schemes

Full proposed programme available on DCWW website

SAC river catchment	Number of new and tightening phosphorus permit conditions within the SAC cotchment	Number of new backstop phosphorus permit conditions
Cleddou	11	3
Dee	11	22
Teifi	14	14
Usk	10	16
Wye	17	14

#### **Phosphorus Reduction Benefit**

- Consideration to river compliance & supporting housing development
- DCWW looking to local NMB to govern allocation of benefit
- Continue to support NMBs & developing group structure(s)
- Team Wales approach

# Working together

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#### What does working together look like?





Defined collaboration categories



Effective stakeholder relationships





Political engagement (at Wales & UK level)



Prescreened sites identified for NMBs

## Any questions?

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