

Surface Water Management in North Tyneside

Environment Sub-Committee

10 January 2023

Mark Newlands

Highways & Infrastructure Manager



Contents

- Background
- Governance
- Flooding Strategy
- Work done to date
- Partnership working
- Measuring success – where we've got to
- Next 10 years – what happens next



Background



Background



Background

- June 2012 – Thunder Thursday
- Task and finish group set up late 2012
- Flooding Strategy developed
- £4.75m capital investment plus external grants
- Implementation plan developed
- Formal governance put in place
- Numerous other activities e.g. flood wardens



Governance

- North Tyneside Surface Water & Drainage Partnership established March 2013
- Brought together all partners and stakeholders
- Chaired by lead cabinet member, supported by director
- Directed and influenced work
- Exchange of ideas and good practice
- Brand / identity :



- Dissolved in January 2020



Flooding Strategy



North Tyneside Council

Working in partnership with
CAPITA

Local Flood Risk Management Strategy

July 2014



North Tyneside Council

Working in partnership with
capita



North Tyneside Local Flood Risk Management Strategy

October 2021



North Tyneside Council

Key Objectives

- 1) We will continue to encourage direct involvement in decision making through partnership working with key organisations and communities.
- 2) We will target resources where they have the greatest effect by continuation with a risk-based approach.
- 3) We will contribute to wider social, economic and environmental outcomes by encouraging sustainable multi benefit solutions for the management of local flood risk.
- 4) We will continue to encourage and support communities and local landowners to take action and contribute to the reduction of flood risk.
- 5) We will continue to ensure that emergency plans and responses to flood incidents are effective and that communities are able to respond properly to flood warnings.
- 6) We will ensure that our infrastructure is resilient to flooding and be ready to adapt to flooding change
- 7) We will provide further support to local residents to increase their own resilience to flooding



Examples of Work Carried Out in North Tyneside



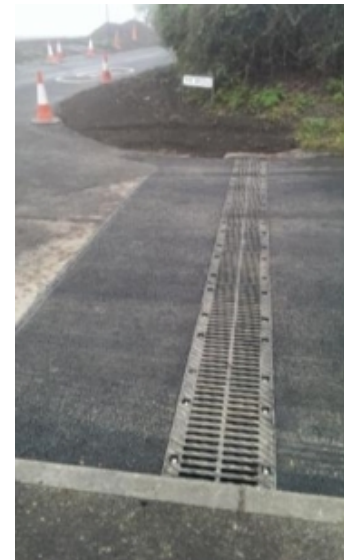
Dudley – Green Lane



Murton Village

Phase 1 – Drainage Improvements

- Improved drainage of highway
- Increased storage capacity of ditch
- Vehicle speeds reduced with new road hump



Murton Village

Property Level Protection (PLP)



Woodburn Drive

- Gabion basket flood barrier
- Surface water held within bridleway and channelled via a filter drain to a nearby culvert then out to sea



Fairfield Green

- 3 large dry storage basins connected by ditches
- Controlled discharge



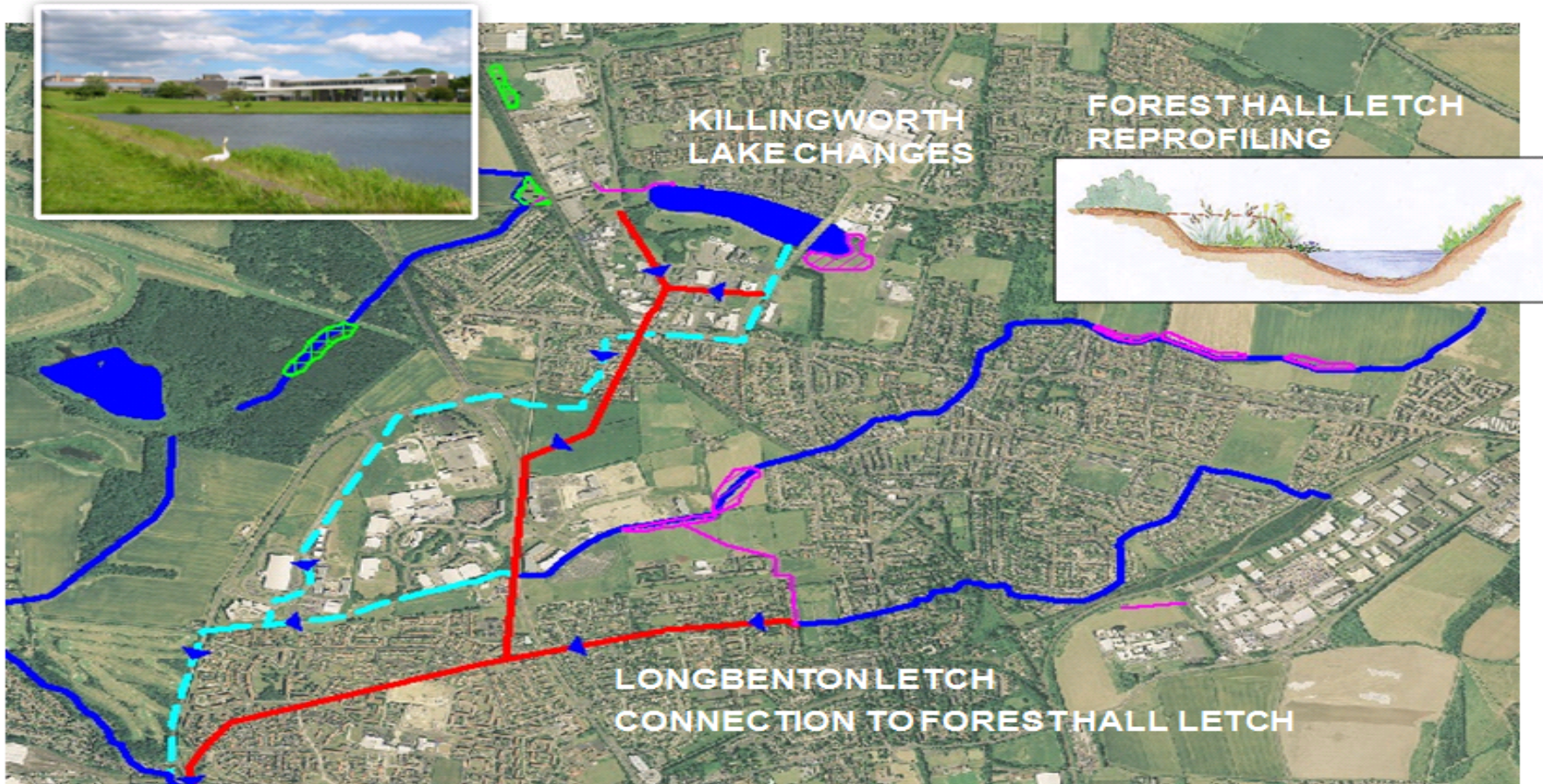
Briar Vale



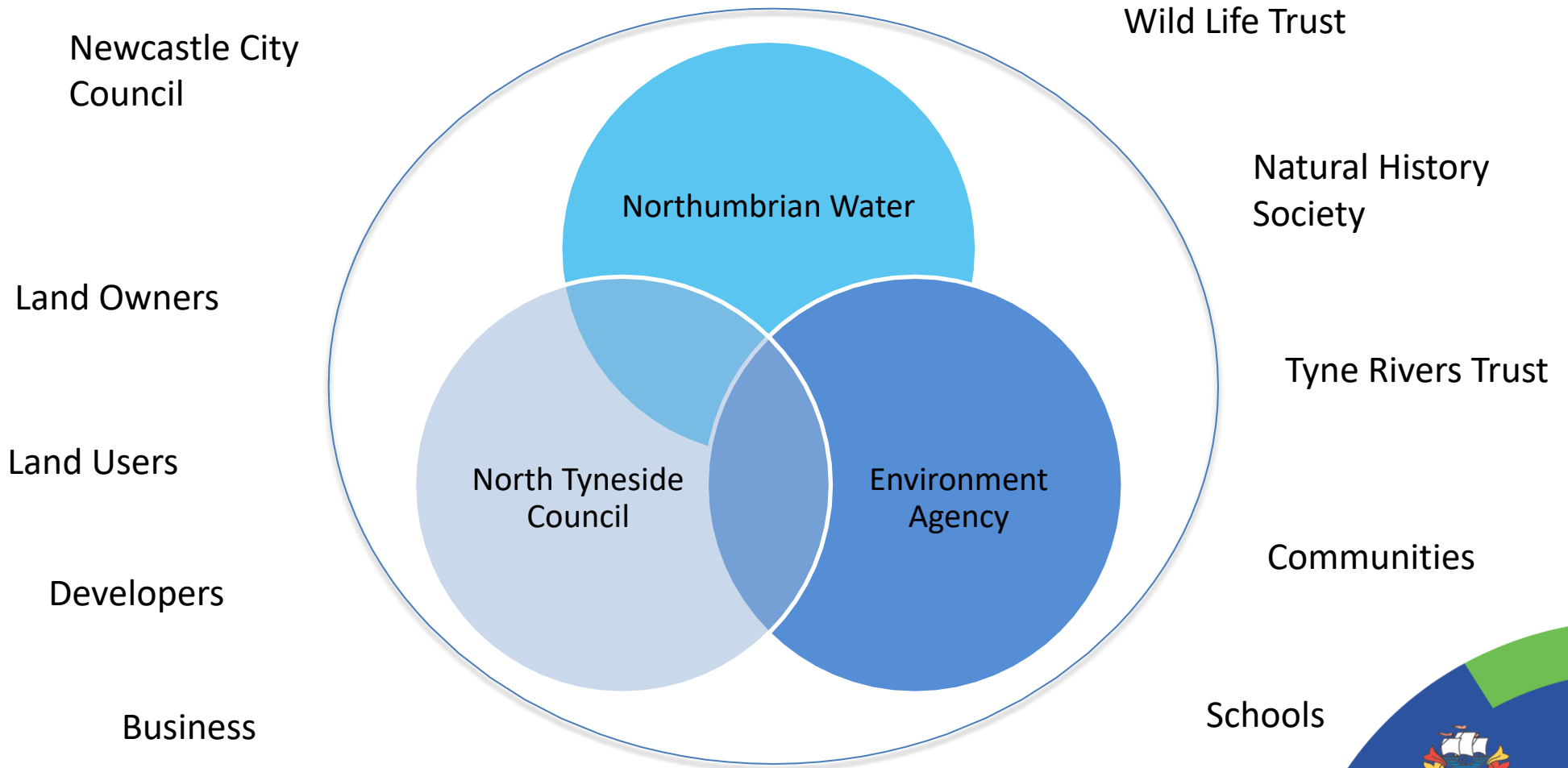
Partnership Working



Killingworth & Longbenton Sustainable Sewerage Project



One Team



Measuring Success

- Around £25m flood schemes delivered
- Hundreds of properties better protected
- All priority sites dealt with
- Emergency response plans improved
- 2 new gully wagons and risk based approach
- Residents better informed
- Flood warden scheme in place



Next 10 Years

- Continue work but on a smaller scale
- Improve understanding of drainage issues through studies and modelling
- Continue to seek external funding
- Review performance of schemes built to date
- Review and update Flooding Strategy in 2032



Thank you

Questions?

