

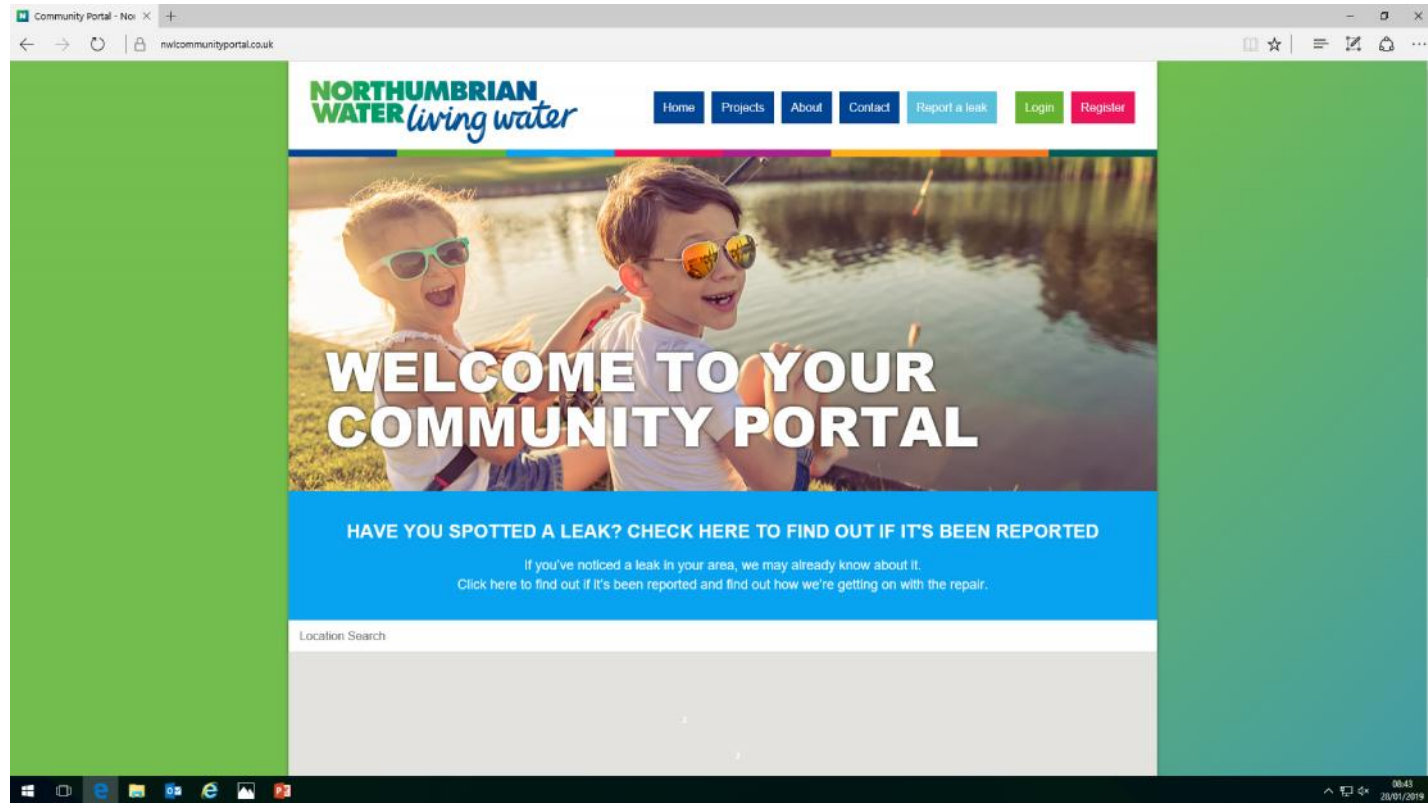
SPECIAL ENVIRONMENT AND SUSTAINABLE COMMUNITIES DURHAM

NWG OVERVIEW

Steená Nasápen Watson
Sustainable Sewerage Manager

8 February 2019

KEEPING CUSTOMERS UP TO DATE ON LINE



www.nwlcommunityportal.co.uk

UPDATE ON COMPLETED SEWER NETWORK SCHEMES WITHIN COUNTY DURHAM

- West Grove Seaham
- Woods Terrace, Murton -17/18
- Stephen's Road, Murton – 17/18
- Durham Road, Spennymoor

- **Forrest Park, Aycliffe – 17/18**

We are investing over £1,000,000 to improve and extend the sewer network to support Durham County Council's ongoing Forrest Park development. This will include constructing a new sewage pumping station on the Forrest Park development site and over 1.5km of pumping main and gravity sewer along the A167, St Andrew's Way and Heighington Lane.

- **Durham Road, Spennymoor – 17/18**

We are investing £700,000 in upgrading the sewer network. This will increase the resilience and reliability of the network and will involve up sizing 240 meters of existing sewer pipe in the area of Wood Vue and the nearby Cow Plantation Nature Reserve.



UPDATE ON CURRENT SEWER NETWORK SCHEMES WITHIN COUNTY DURHAM

Durham City Sewer Network Improvements

We are planning work to improve the performance of the sewer network in Durham City and improve the environment.

- **FLASS VALE**
- We are planning to increase the capacity of the sewer network to reduce the risk of flooding from a sewer that runs through Flass Vale. This will be done by constructing an underground storage tank in land at the end of Flassburn Road.
- **ELVET RIVERSIDE**
- We are planning to upgrade the sewer network in the area around Elvet riverside to improve how it operates, particularly during wet weather. We will be undertaking survey work to help us develop our preferred solution which is but this is likely to involve new pipes and manholes in the area around Old Elvet, New Elvet, Elvet Waterside and Territorial Lane.
- **WALKERGATE**
- We are planning to upgrade the sewer network in the area around Freemans Quay and Walkergate to improve how it operates, particularly during wet weather. We will be undertaking survey work to help us develop our preferred solution which is but this is likely to involve new pipes and manholes in the area between Walkergate and the River Wear.
- **ESCOMB RISING MAIN**
- **ALUM WATERS NEAR BRANCEPETH**



UPDATE ON PLANNED SEWER NETWORK SCHEMES WITHIN COUNTY DURHAM

DESIGN, INVESTIGATIONS AND STUDIES

- **Lindon road, Ferryhill**

Framework Partners are progressing with property level protection. NWG/Esh-Stantec still investigating/surveys the network in the Linden Road and surrounding area before modelling work the options from the previous feasibility study will be reviewed and some brief optioneering to explore any smaller scale interventions will also take place.

- **Dell Wood - Bishop Auckland**

This project involves fixing Screening Baskets to the existing CSO overflow to the existing storage tank to reduce problems with pump blockages in the storage tank. Esh-Stantec are due to complete Investigate and Define report which will recommend providing new lift assist access covers to the existing cover-slab in the short term and longer term replace or modify existing cover-slab to provide access covers directly over the new screening baskets. Construction expected to commence in the second Quarter of 2019 but this is to be confirmed.

Update on current work – Albert Street, Durham :

- Following a number of bursts towards the end of last year which caused some flooding to cellars, our supply partners are in the process of renewing the water main in Albert Street, Durham. This is a residential street near to the train station which runs up to St. Leonards catholic school.
- The work started on Monday 7th January and is expected to last 10 weeks, with a road closure and parking restrictions in place for the duration of the work. We are keeping residents updated as the work progresses.

SEWAGE TREATMENT WORKS INVESTMENT

Barkershaugh Sewage Treatment Works

Work will involve the introduction of further process units to serve the increasing population of Durham City and provide an enhancement of the treatment process to improve environmental protection.

Start Date: December 2017

Estimated End Date: December 2018

River Gaunless, Bishop Auckland

We are investing £6 million to improve the sewer network and wastewater treatment in the Butterknowle, Cockfield and Ramshaw areas of Bishop Auckland.

Start Date: October 2018

Estimated End Date: January 2019



NORTHUMBRIAN
WATER *living water*



Rainwise

Projects In Durham
County



Rainwise Areas

Crook

Two Rainwise projects have been identified at High Hope Street and Firtree Drive. Design & construction currently programmed for 18/19

Bishop Auckland

Rainwise projects have been identified at Granville Terrace, Meadows View and Greenfields Road, they are currently programmed for 19/20

Seaham

Interventions identified at Byron Terrace, The Avenue, Grants Crescent and Seaham Leisure Centre, currently programmed for 20/21

Barnard Castle

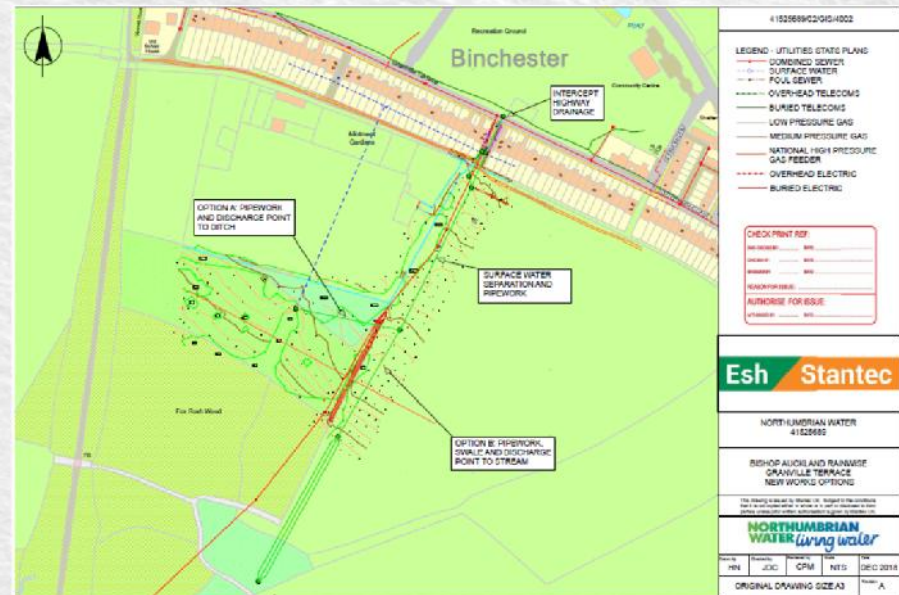
Two areas have been risk scored and a strategic study has now been recommended.

Stanley & Annfield Plain

A Rainwise project has been identified at Derwent Terrace and it is currently programmed for 19/20

Easington

Proposed interventions have been submitted for risk scoring, it is likely that they will not meet current investment criteria



JOINT WORKING



STRATEGIC AREA STUDIES



NIDP Stage 1 Bowburn	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2017/18
NIDP Stage 1 Sedgefield	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2017/18
NIDP Stage 1 Barnard Castle	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2017/18
NIDP Stage 1 Easington	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2018/19
NIDP Stage 1 South Stanley & Craghead	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2018/19
NIDP Stage 2 Bowburn	Elaine Smith	NWL	NWL/DCC /FDGiA/LL	y	Feasibility	2018/19
NIDP Stage 2 Sedgefield	Elaine Smith	NWL	NWL/DCC /FDGiA/LL	y	Feasibility	2018/19
NIDP Stage 2 Barnard Castle	Elaine Smith	NWL	NWL/DCC /FDGiA/LL	y	Feasibility	2018/19
NIDP Stage 2 Easington	Elaine Smith	NWL	NWL/DCC /FDGiA/LL	y	Feasibility	2019/20
NIDP Stage 2 South Stanley & Craghead	Elaine Smith	NWL	NWL/DCC /FDGiA/LL	y	Feasibility	2019/20
NIDP Stage 1 Stanhope & Crawleyside	Elaine Smith	NWL	NWL/DCC	y	Feasibility	2019/20

JOINT WORKING



- Catchment partnership engagement within Catchment Based Approach (CaBA), development and delivery of business plan for Wear Catchment Partnership
- Wear Rivers Trust, initiation of local delivery groups on the Browney (8 waterbodies but may focus around Lanchester to start with).
- Support for HLF (Heritage Lottery Fund) projects - Seascape project – (wear-tees coast) James MacLean is on the Board, Brightwater (Skerne – upper bit is in Durham)
- Exploring opportunities around improving the water environment and new partnership scheme delivery – starting with a Wear/Durham opportunities session next week hosted by us but led by Visit County Durham.
- Undertaking feasibility studies for Catchment Based Approach (unconfirmed) – ahead of phosphate removal scheme in 2020-25 in Browney, Gaunless, Croxdale catchments. Also undertaking delivery schemes at 2 works in the Gaunless this year.
- CaBA Urban workshop on 15th Feb – idea is to launch a SuDS challenge to LAs and developers and link to a prize (Water Hub are involved).



Sustainable Urban Water Management Workshop

Friday February 15th 2020, 9.30am - 4pm

Rothson, 8th Floor Durham, Frauchman Lane, Durham, DH1 5TA

The workshop aims to act as a catalyst for implementation of more sustainable drainage approaches across the North East, linked to the 2015 Year of Green Action as proposed in the government's 25 year plan to improve the environment.

The session will provide an overview of sustainable urban water management, including providing information on the policy and legislative background, exploring the benefits and opportunities, and considering the constraints. It will include developer, regulator, local flood authority and water company perspectives, and be an opportunity to share national and regional case studies.

Managing water in our towns and cities is a key challenge. Sustainable urban water management can realise multiple benefits including reduced flood risk, improved water quality, enhanced biodiversity, more opportunities for access and recreation, and better community health and wellbeing.

In the North East, our aspiration for brilliant partnership working is well supported by the activities of the Catchment Based Approach (CaBA) and the five Catchment Partnerships for the Ull & Tyne, Northumberland Affects, Tyne, Wear and Tees, the Regional Flood and Coastal Committee, the Northumbria Integrated Drainage Partnership, which has recently developed a regional level 10 year plan for studies and schemes covering all 131 local Authority areas, and Northumbrian Water's ambitious goals as set out in its 2020-25 business plan.



The session is free to attend, and open to anyone interested in urban water management, including catchment partners, developers, planners, and highways, drainage and flood risk specialists. Parking is free for hotel users but cars need to be registered at the venue on the day. Lunch will be provided.

To book a place and/or for more information, contact:
Clare Deasy clare.deasy@rfd.co.uk, Tel: 0191 3016366

This event is funded by the CaBA Urban Water Group and will be run with support from North East partners.

ADOPTION OF SUDS - UPDATE

- SFA 8 will allow some types of SuDS to be offered to WaSCs for adoption by Developers (it would be great if Highway authorities considered encouraging the use of highways suds and the adoption of them)
- Currently planning/LLFA comment on SuDS however when SFA 8 goes live NW will also need to be involved
- NW are planning a Developers launch event in March for SFA 8 and intend to include LLFA and Planning reps from all partners due to the need to all work together



ENGAGEMENT WITH LANDOWNERS

- Pre development enquiries and planning processes (development control through planning applications and Local Plan consultation)
- Local Plan Consultation : Once again we are fully involved in playing our statutory consultation role which allows us to understand the impact of their preferred development sites for allocation within the plan on our current assets. As part of this process, we will look for the opportunities for partnership working where the drainage infrastructure for multiple landowners is required (for e.g.Sniperly and North of Arnison).
- SfA 8 impacts ; Landowners, developers and RMAs
- Catchment Based Approach : landowner involvement

CHALLENGES AND OPPORTUNITIES :

- More holistic outcome
- Takes longer – more engagement
- Different work streams : common objectives
- Balance sustainable goals : economic, environment and social benefits
- Aligning funding

QUESTIONS

Thank you for listening