



# Peterborough SuDS

Working to promote and improve Sustainable Drainage in Peterborough

Newsletter

December 2017

## Welcome Joely!

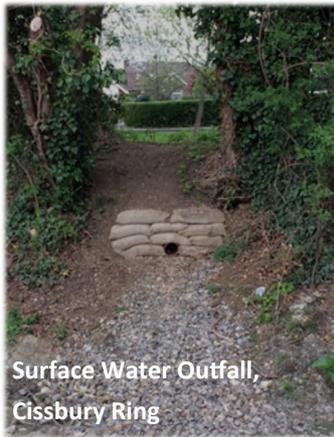
Joely joined the team as our new Drainage Engineer in October and will be helping us to deliver our wide range of services.

“Having recently graduated from university, I’m excited to be able to work and gain experience from the City Council’s Sustainable Drainage Team!”

## Anglian Water Surface Water Improvements

Anglian Water have provided us with partnership funding and contributions, as a part of their current Asset Management Period.

They have carried out investigations amounting to £15.5k. Helping resolve historic surface water issues in Staverton Road and Danish Court. Anglian Water also provided a further £45.5k to the Werrington Brook Project which has allowed us to carry out works on the main river, five smaller watercourses and more notably the construction a surface water overflow to alleviate flooding at Cissbury Ring.



Surface Water Outfall, Cissbury Ring

## Cuckoo’s Hollow

Bulbs and plants were donated by our contractors ADC with the Environment Agency also providing mixed wildflower seeds, for Cuckoo’s Hollow. These were planted around the lake by the Sustainable Drainage Team in November. The team were helped by six volunteers from the local community group, Rivercare.



Cuckoo’s Hollow Bulbs and Plants

In addition to the previous works conducted at Cuckoo’s Hollow, a recent fish survey commissioned by the Environment Agency has found an eel population in the lake, among others. Environment Agency operations colleagues have also commented that, the amount of fish in the river has never been seen previously.

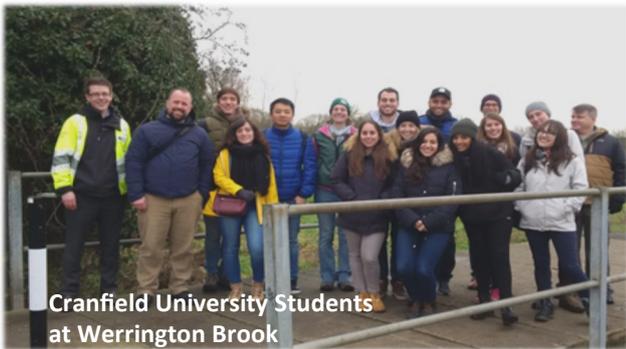


Volunteers planting at Cuckoo’s Hollow

## Educating Others

A cohort of Cranfield University Masters students used Peterborough's Werrington Brook catchment as a focus for their group project. The catchment covers the North of Peterborough's urban area. The group project analysed the risk of water pollution from several different sources, including land use, business use and more notably highways. The results of which have resulted in useful analysis and mapping for our Werrington Brook Project. In addition, students also designed a public consultation survey for the local residents regarding perceptions and value of public open space. Whilst carrying out additional sampling and monitoring of the river. All of this information has been utilised as part of our Werrington Brook Project works.

Following this, members from the Sustainable Drainage Team sat on a Dragon's Den style panel at Cranfield to help lecturers assess the students' projects, provide some industry insight and assisting in picking a winner.



Cranfield University Students at Werrington Brook

Additionally, we have worked to connect Anglian Water with a number of Peterborough primary schools, to promote their great classroom events. As a team we are looking to ensure there are links between this educational work and the work being carried out within the water environment in the city by facilitating competitions for the pupils and investigating opportunities for outside events that can build on this experience. In future, we hope to spread this engagement throughout Peterborough where schools are keen to become involved.

We welcome any ideas from colleagues within the council, especially if you can see a link to the work you do!

## Smart City Success

In October, Peterborough was named as one of the UK's top 10 leading Smart Cities, with Peterborough City Council being given particular recognition for its unique approach to sustainability. The 'Internet of Things' based sustainable drainage network was highlighted as one of the city's top achievements.

The network comprises of a series of 23 weather stations that act to provide open source data for the schools, there are also four water level monitoring devices that provide warnings and real time data to those council officers who manage the drainage network in the city. There are plans to extend this network in future.

Through the incorporation of data, with internal systems at the City Council, there is now an increased intelligent understanding of rises in river levels. Thus, allowing us to have more swift and targeted interventions.



Telemetry System, Dams Pond, Riverside Gar-

## Werrington Brook Update

PCC and partners were the winners of the Werrington Neighbourhood Council Environmental Award. As well as being Big biodiversity Award finalist and highly commended finalist in the Flood and Coast Project Excellence Awards.



## Merry Christmas & A Happy New Year!

We will be back for another edition in 2018.

Best Wishes,

Sustainable Drainage Team



Christmas Craig