Swalecliffe Steering Group

28 February 2023





Agenda

- Tankerton buoy & Sampling Nick Mills
- Beachbuoy modelling Nick Mills
- Taskforce catchment slide Jon Yates
- Reconfiguration of Swalecliffe WTW Jon Yates
- Swalecliffe Short Sea Outfall Jon Yates
- Swalecliffe Brook proposal John Mealey
- Operational update Swalecliffe Wastewater Treatment Works (WTW) Andy Webb
- AOB



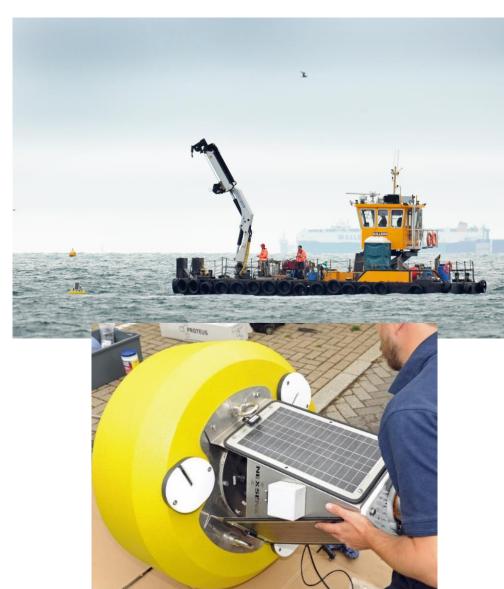
Beachbuoy modelling

Nick Mills





Water quality testing buoys



Update February 2023:

- Water quality buoys are still operational, despite some minor issues with hardware
- Calibration is ongoing and proven to be very challenging and we are reviewing the data with an independent expert
- We are preparing a technical document that we will publish, this will include the calibration data
- We plan to hold a pre-briefing with key stakeholders ahead of data going live
- We are aiming for April 23 to go live with data on our website and alongside Havant Borough Council







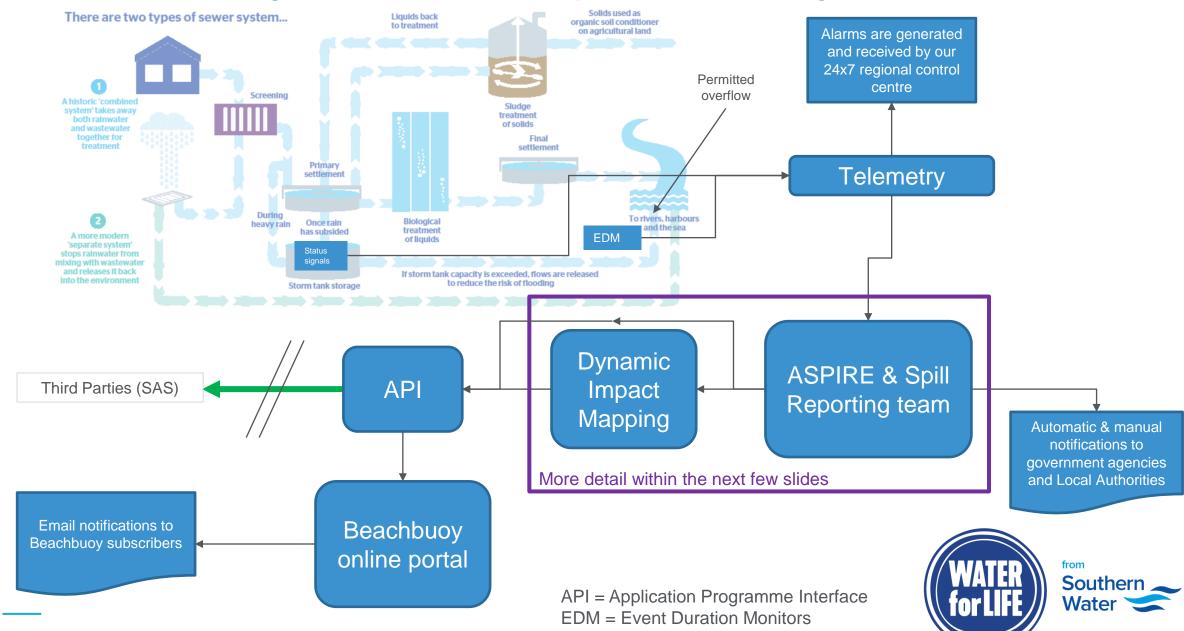


How does Beachbuoy work?





How spill reporting and Beachbuoy works at high level



Swalecliffe Pathfinder Update

Jon Yates

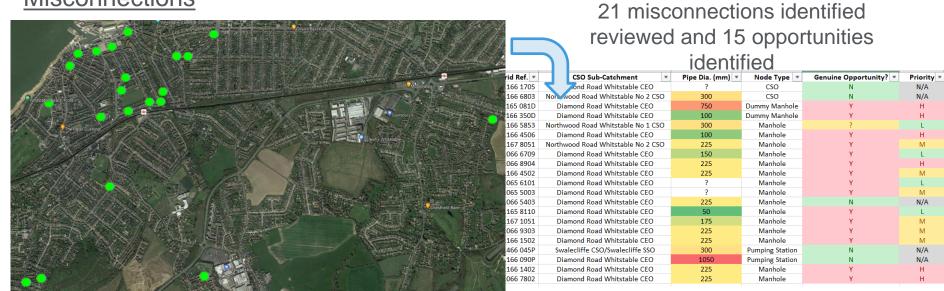




Swalecliffe Catchment – Pathfinder Activity

Misconnections

and feed into SUDs'

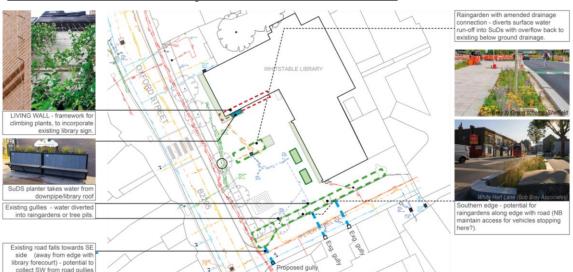


Interventions

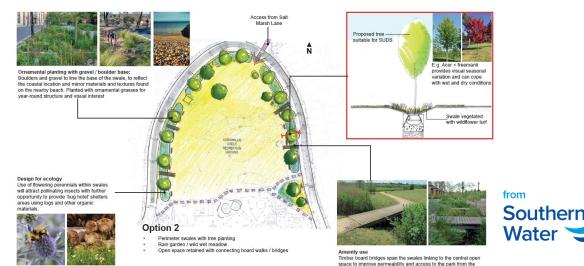
- 1. Optimisation
- 2. Misconnections
- 3. SuDS Schemes
- 4. Planters & Water Butts
- 5. Modelling

east and west. These would create new permanent connections and would affect existing balustrade fencing

Whitstable Library - SuDS Scheme



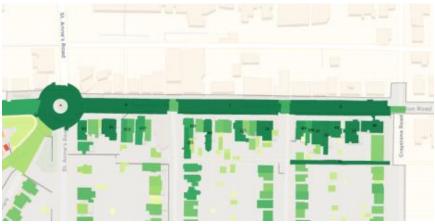
<u>Cornwallis Circle Recreation Ground – SuDs Scheme</u>



Swalecliffe Catchment – Pathfinder Activity

Planters and Water Butts – Slowing the flow





Northwood Road 1&2



Tankerton Circus

	Low	High
Planters	8	30
Water Butts	135	538

assumptions based on planters at commercial properties, water butts at domestic.

Low is assuming 1 water butt per property with 50% uptake.

Interventions

- 1. Optimisation
- 2. Misconnections
- 3. SuDS Schemes
- 4. Planters & Water Butts
- 5. Modelling



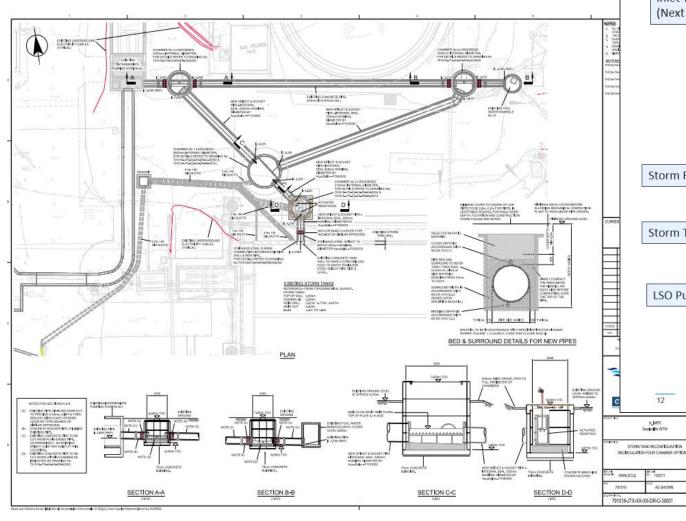
Swalecliffe Reconfiguration & Short Sea Outfall

Jon Yates





Swalecliffe Treatment Works



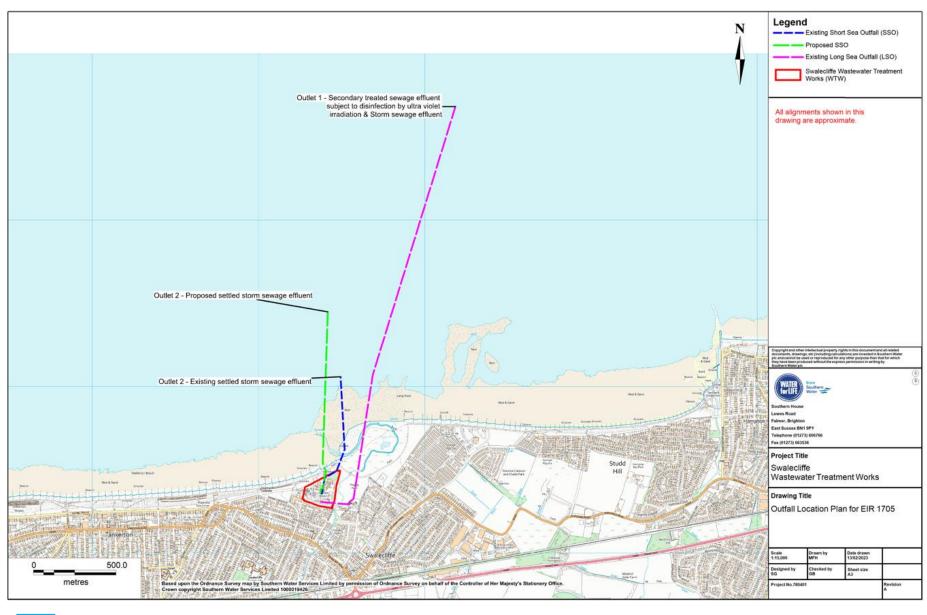
Swalecliffe WTW – Site Layout



Non Technical report to the Environment Agency – 6th March 2023 Construction starts 6th March 2023



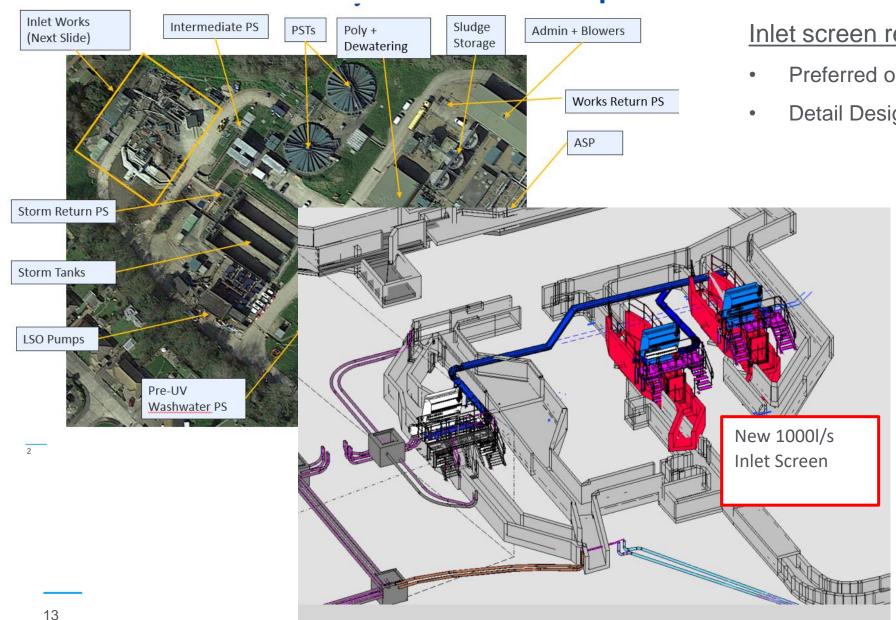
Swalecliffe Short Sea Outfall



- The Short Sea Outfall has hit a
 major milestone it has been
 confirmed that our Environmental
 Impact Assessment Screening has
 been accepted and we do not
 need to progress past Stage 1.
- The Marine Management
 Organisation is currently reviewing
 our licence application to carryout
 the works.
- In-depth archaeological investigations underway on site.



Swalecliffe WTW – Screen replacement





- Preferred option identified and being priced.
- Detail Design target start date July 2023



Swalecliffe Brook update

Pathfinder activity





Swalecliffe Brook improvement plans

- Last year, Southern Water commissioned river restoration experts, Five Rivers, to undertake a study for the ecological improvement of Swalecliffe Brook
- Five Rivers provided three different designs and the chosen option was Reach 3 a £50k project, which is closest in location to the Brook where we're working
- In our engagement, we presented the proposal to CTFive People's Forum eco-group. The group had queries which we answered and were happy with the design. Natural England and the Environment Agency are also aware
- Five Rivers has now been commissioned to undertake this work and we're currently seeking consents and licensing agreements with regulators. We hope to start on site by late spring
- A detailed plan for the work is being produced, which we will share once finalised



Swalecliffe Wastewater Treatment Works

Andy Webb





Swalecliffe WTW – Operational Update

- Odour and Customer Performance
- Access to Envirosuite real time odour-monitoring system can still be made available to those who would like it.
- Complaints have reduced over the past 12 months –
 site associated complaints have been associated with
 odour bulk of the reduction in the past 6 months.
- Customer contacts remain low through the Swalecliffe dedicated contact route
 - Swalecliffeinformation@southernwater.co.uk
- Brook Road WPS operating as per new pumping control system, to confirm again – there is **no route** for storm flows to discharge into the brook from Swalecliffe WTW.





AOB





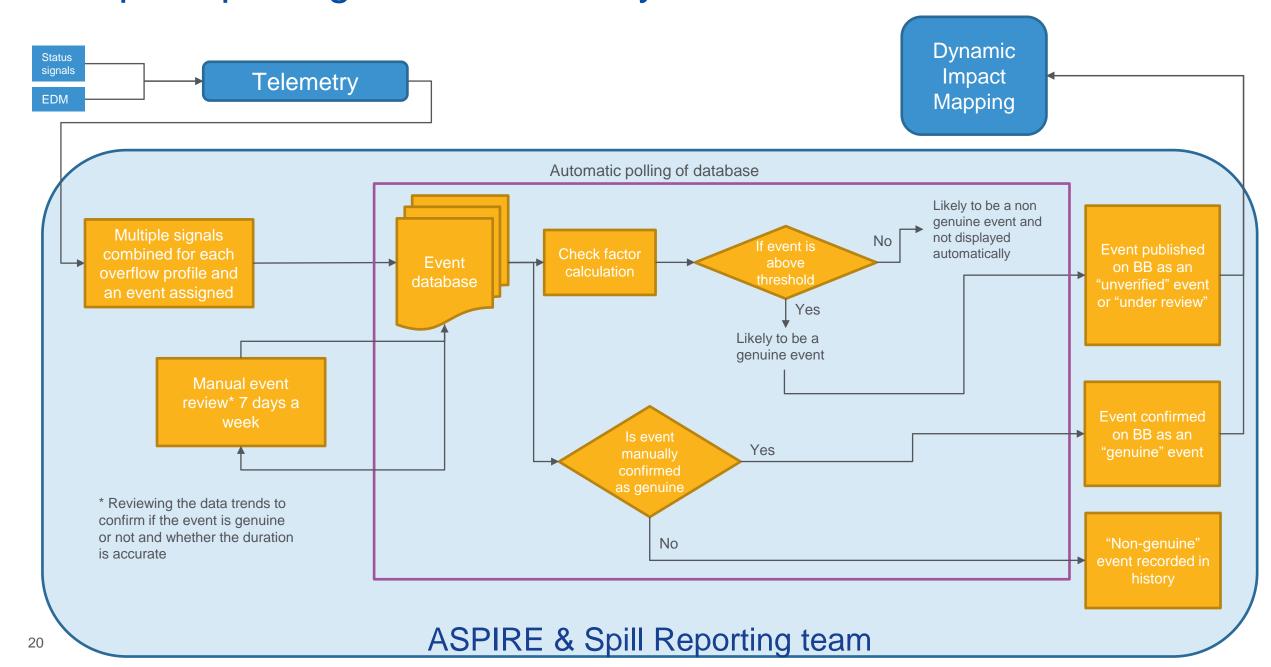
Appendix

How does Beachbuoy work?





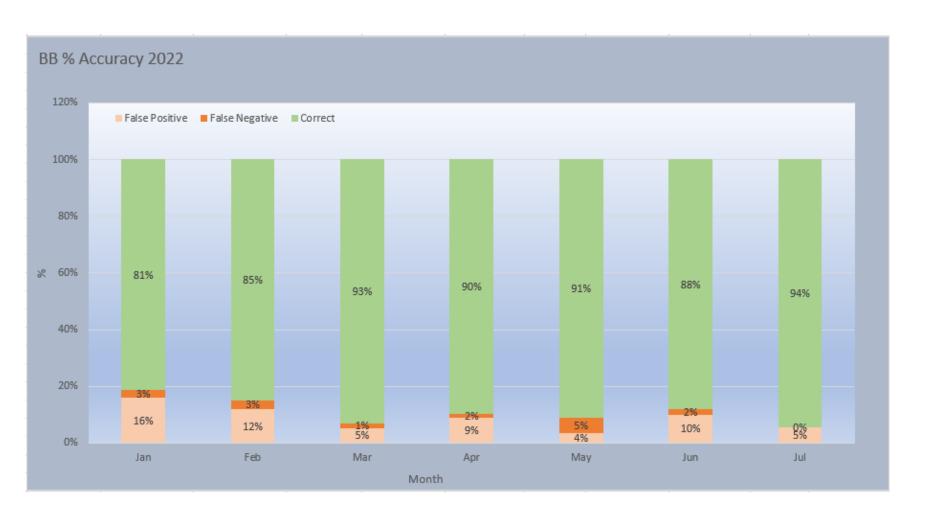
How spill reporting and Beachbuoy works – events verification



Beachbuoy's false positive is approx. 10% events that turn from white to blue.

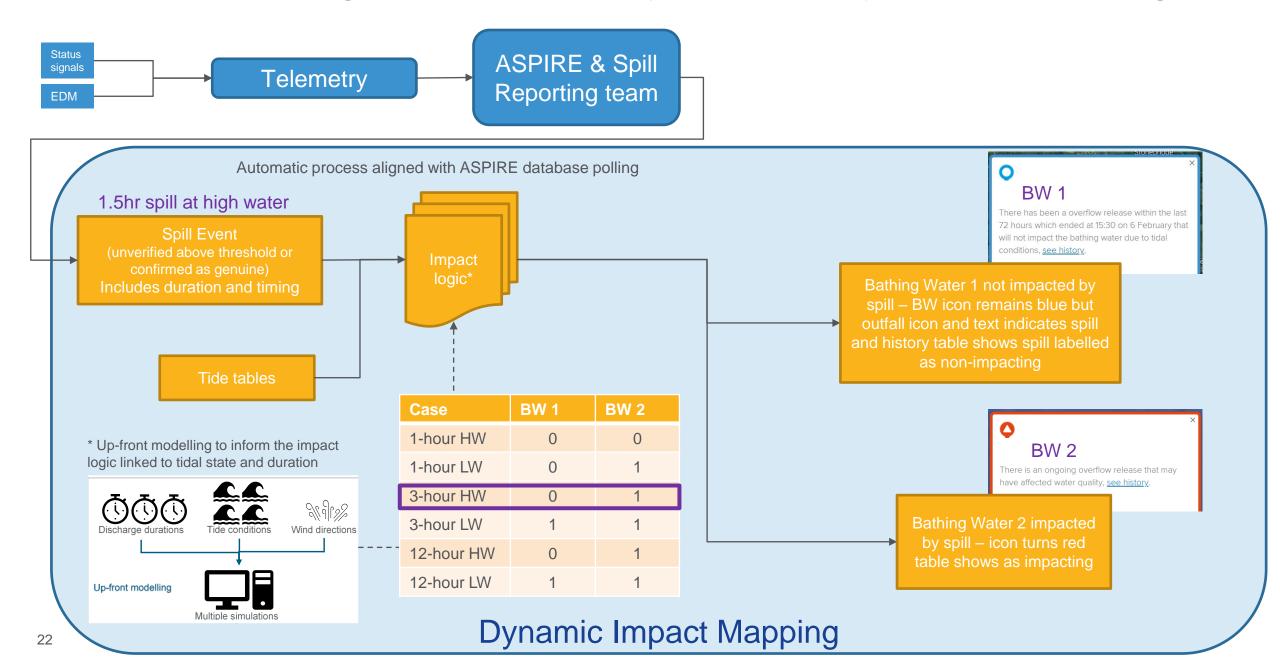
And false negative is approx. 2%

events that turn from blue to red without first showing as a white icon automatically.





How spill reporting and Beachbuoy works – dynamic mapping



How spill reporting and Beachbuoy works – dynamic mapping

