

# Drainage and Wastewater Management Plans (DWMPs)

Workshop on the Adur and Ouse DWMP

Tuesday 8 September 2020



# Agenda

- Objectives of the workshop
- Presentation: Drainage & wastewater management in the Adur and Ouse river basin
- Discussion session 1: Exploring the Risk Based Catchment Screening
- **BREAK**
- Presentation: Planning Objectives
- Discussion session 2: Defining the objectives for this river basin catchment
- Next steps

# Objectives of the Workshop

- To start working together to develop the DWMP
- To understand the results from the **risk based catchment screening** (RBCS)
- To identify any other issues or concerns in the catchment
- To agree the planning objectives for the DWMP
- To identify any other metrics or indicators of risk that need to be included in the **baseline risk and vulnerability assessment** (BRAVA).

# Presentation 1

Drainage and Wastewater Management in  
the Adur and Ouse river basin catchment

**Chris Braham**

**Head of Asset Performance, Wastewater Operations**



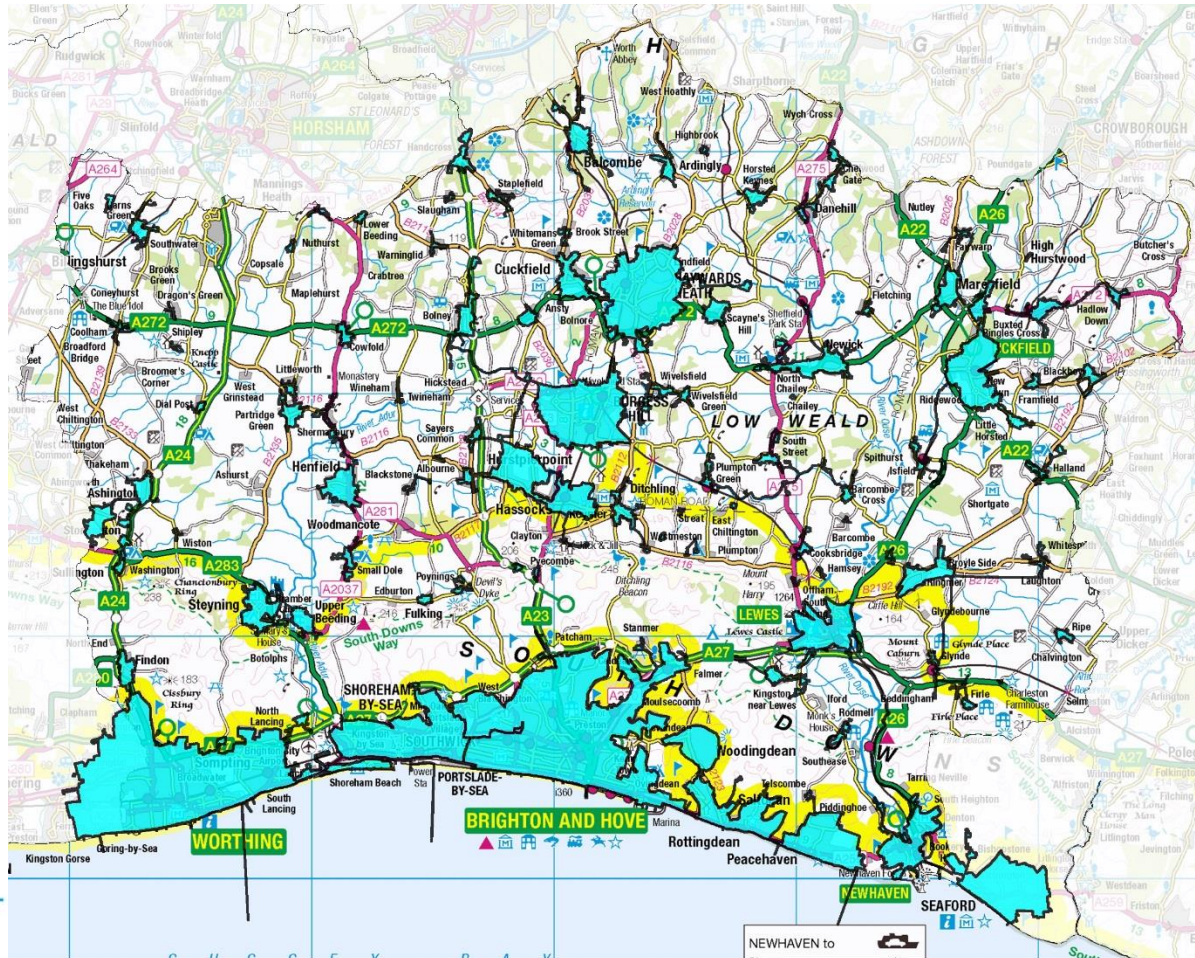
# Objectives for this session

- To develop a high level understanding of the drainage and wastewater systems in this catchment
- To understand the Risk Based Catchment Screening (RBCS) process
- To enable you to analyse and discuss the results for this catchment in the break-out session that follows this presentation





# Adur and Ouse River Basin Catchment

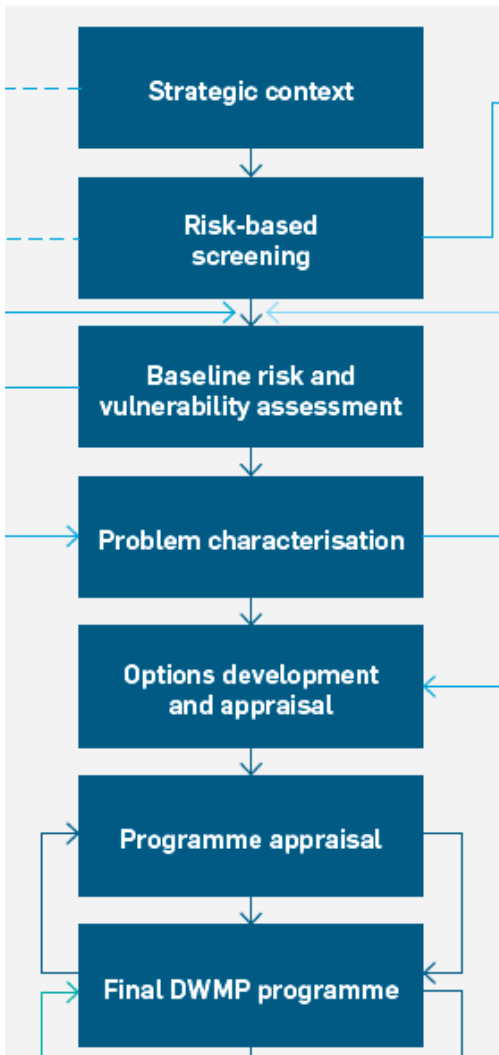


- 68 sewer catchments
- 68 WTWs
- 423 WPS
- 4,896km sewers
- 13.4% area
- 96% homes connected



# Risk Based Catchment Screening (RBCS)

- Second step in the DWMP process
- Identifies where there is potential “system vulnerability” to future changes (i.e. risks that need to be investigated during the DWMP)
- Screening process for all 68 sewer catchments







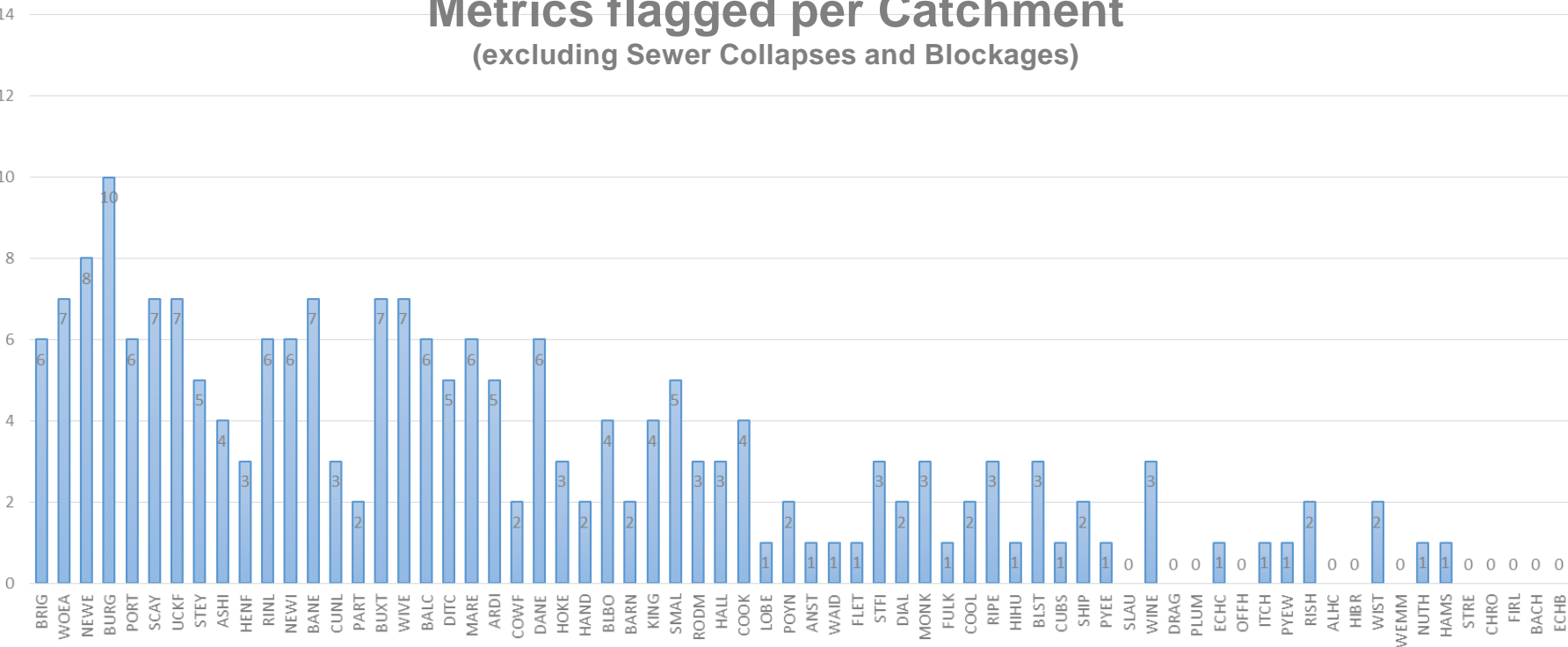




# Risk Based Catchment Screening - Results

## Metrics flagged per Catchment (excluding Sewer Collapses and Blockages)

NUMBER OF METRICS FLAGGED



SEWER CATCHMENT

# Discussion session 1

## The results of the RBCS

# Session 1: Risk Based Catchment Screening (RBCS)

## Questions:

- Based on the results, what are your main concerns in this river basin catchment?
- What other issues or concerns do you have in this river basin catchment?
- Are all the sewer catchments (where you have the most concerns) flagged to progress to BRAVA?
- For any other concerns identified, what data could be used to assess the scale of the issue now and in the future?



# Presentation 2

Planning Objectives for the Adur and Ouse DWMP

**Chris Braham**

**Head of Asset Performance, Wastewater Operations**

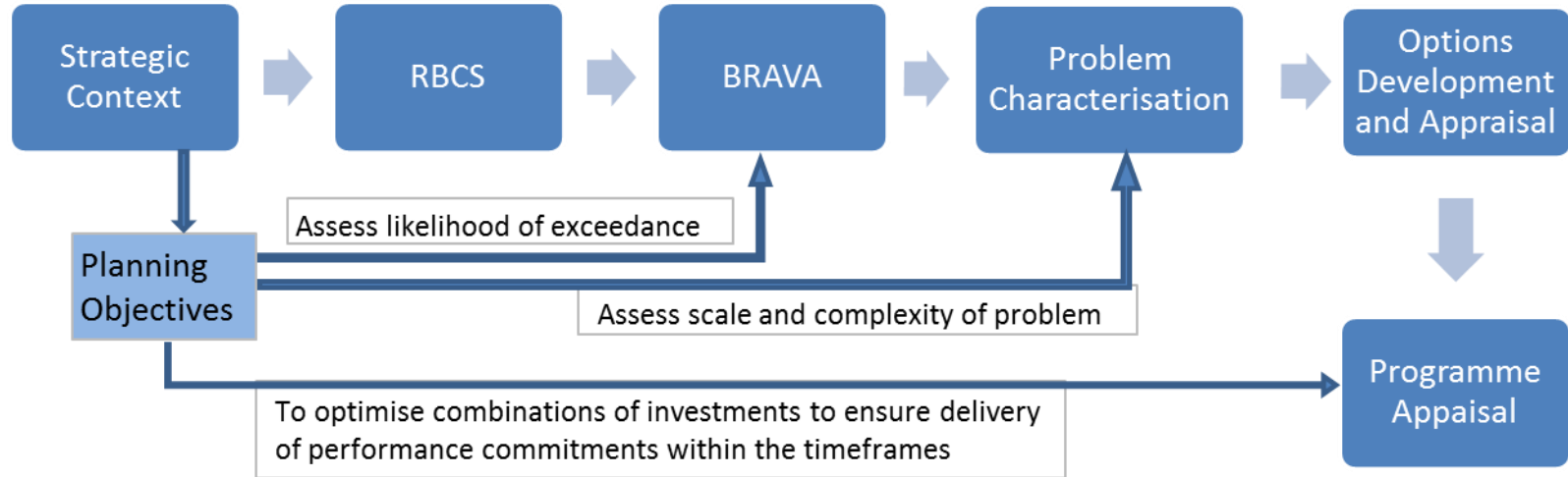


# Objectives for this session

- To understand why we need planning objectives and how they will be used
- To know what planning objectives have been specified by Water UK for all companies to report
- To facilitate discussion on any additional planning objectives that may be needed for the Adur and Ouse catchment



# Planning Objectives



# Planning Objectives

- Water UK requires all water companies to report on the following 6 planning objectives:
  1. Risk of sewer flooding in a 1 in 50-year storm
  2. Storm overflow performance
  3. Risk of WTW compliance failure
  4. Internal sewer flooding risk
  5. Pollution risk
  6. Sewer collapse risk
- What is missing? Are any additional planning objectives needed for this river basin catchment?



# Planning Objectives – methodology for BRAVA

- Water UK sets out how each of the 6 planning objectives need to measure and report on risk in 2020, and for 2050 (where required)
- Describes how risks will be assessed in BRAVA stage
- Additional planning objectives – need to consider how to measure the risks now, and for future planning horizons
  - What data is available? Coverage, ownership, format, accessibility?
  - Can we assess the likelihood of occurrence in the future, and consequence?
  - Can the outcomes be influenced by us, or other risk management organisations?
- Next step to develop BRAVA methodology for each planning objective



# Discussion session 2

## Identifying planning objectives

# Session 2: Planning Objectives

Questions:

Based on the RBCS results from breakout 1:

- Are all your areas of concern / issues covered by the 6 national planning objectives?
- If not, then what gaps need to be filled with additional planning objectives?
- What additional indicators, metrics or data could we use to measure the current and future risks for any additional planning objectives?





# Next Steps



# Timetable

Dates	Activity
To Nov 2020:	Working with partner organisations to develop the strategic context, planning objectives and baseline risk and vulnerability assessment (BRAVA)
Dec 2020	Submission of BRAVA to Water UK
Jan – Sep 2021	Working with partners on options development and appraisal
Autumn 2021	Start early consultation with customers on the catchment based DWMPs (Level 2)
Summer 2022:	Public consultation on the regional DWMP
January 2023	Publish final DWMPs

# Thank you for participating today

Contact us: [DWMP@southernwater.co.uk](mailto:DWMP@southernwater.co.uk)

