

# East Devon AONB event

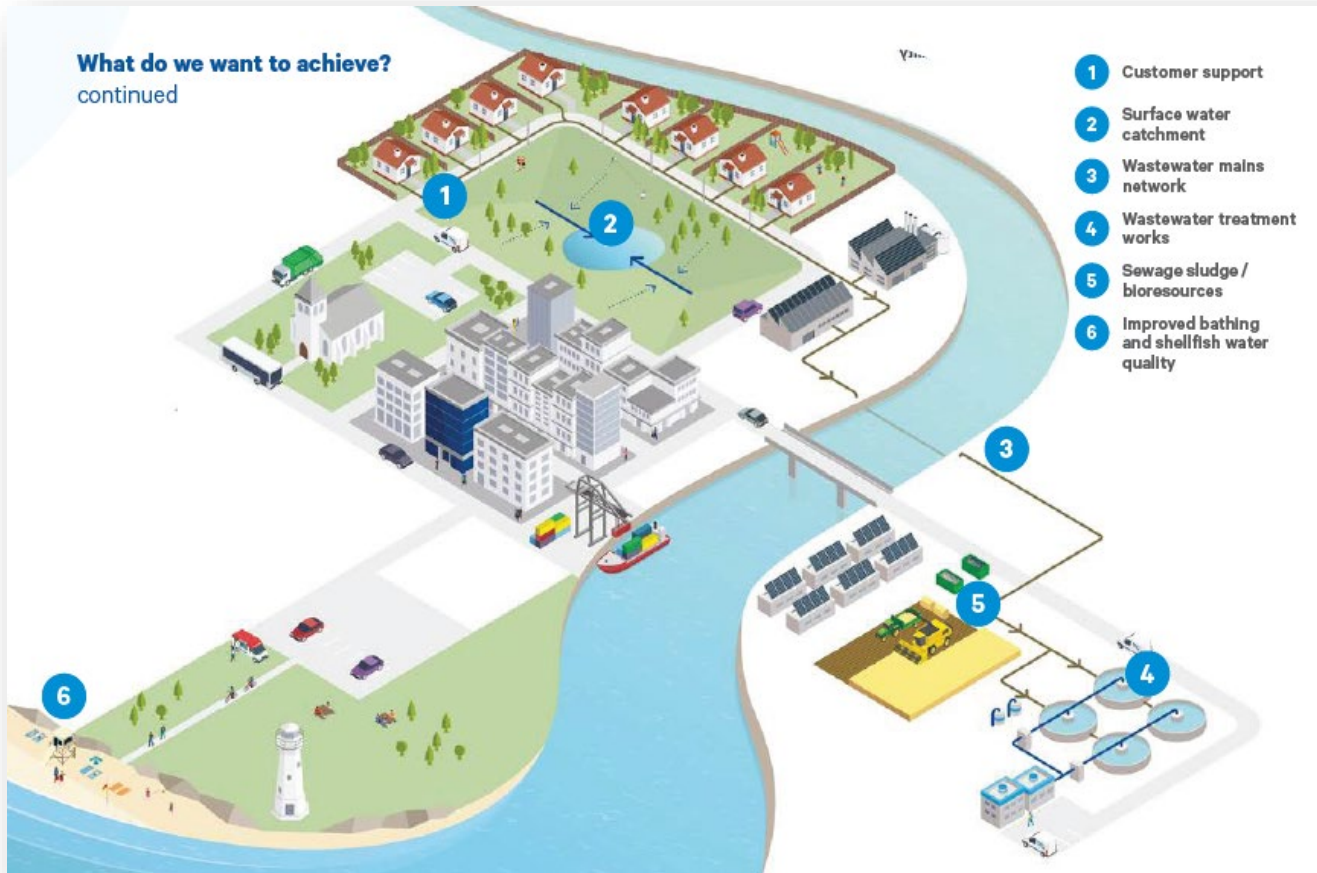
Vicky Garner,  
South West Water  
Community and  
Partnerships Manager



**South West  
Water**

# Drainage and Wastewater Management Plans (DWMPs)

Drives management of Catchments as a 'System' through partnership working

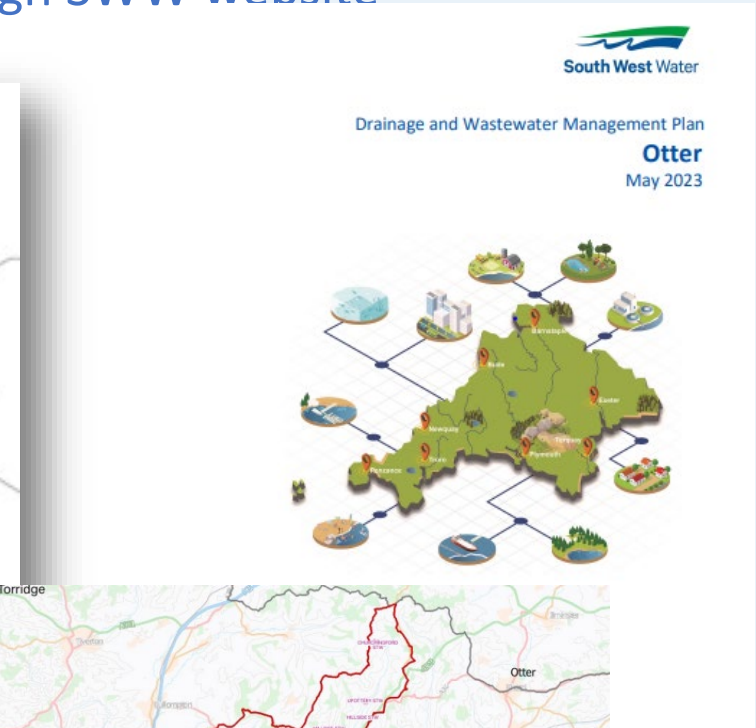


Location	Description	Responsibility
<b>Surface runoff/Land drainage</b>	Landowners are responsible for their land drainage and should not cause problems for neighbours	<ul style="list-style-type: none"> <li>Lead Local Flood Authorities</li> <li>Land owners</li> </ul>
<b>Highways</b>	Surface water on roads, highways and pavements, blocked road drains/gullies and overgrown verges	<ul style="list-style-type: none"> <li>Highways Authorities</li> <li>Highways England</li> <li>Transport for London</li> </ul>
<b>Groundwater</b>	Waterlogged ground when water pools on the surface	<ul style="list-style-type: none"> <li>Lead Local Flood Authorities</li> <li>Landowner</li> </ul>
<b>Rivers and watercourses</b>	Water draining into rivers and streams from nearby land	<ul style="list-style-type: none"> <li>Lead Local Flood Authorities</li> <li>Environment Agency</li> <li>Riparian Owners</li> <li>Landowner</li> </ul>
<b>Coastal/ Tidal</b>	Rough seas, high tides or storm inundation on lower land	<ul style="list-style-type: none"> <li>Local Authorities</li> <li>Environment Agency</li> </ul>
<b>Surface water sewers</b>	Most properties, including flows from gutters and roads drain rainfall to public sewers. Highway drainage is provided for rainfall onto the highway but in reality also includes water from fields/other properties that finds its way onto the highway	<ul style="list-style-type: none"> <li><b>Water and wastewater companies</b></li> <li>Local Authorities</li> <li>Housing Associations</li> <li>Private land owners</li> <li>Highway Authorities</li> </ul>
<b>Public sewers</b>	Sewer flooding from manholes and covers	<ul style="list-style-type: none"> <li><b>Water and wastewater companies</b></li> </ul>
<b>Private sewers</b>	Flooding from cesspits/septic tanks, toilets or internal drains	<ul style="list-style-type: none"> <li>Homeowner</li> </ul>

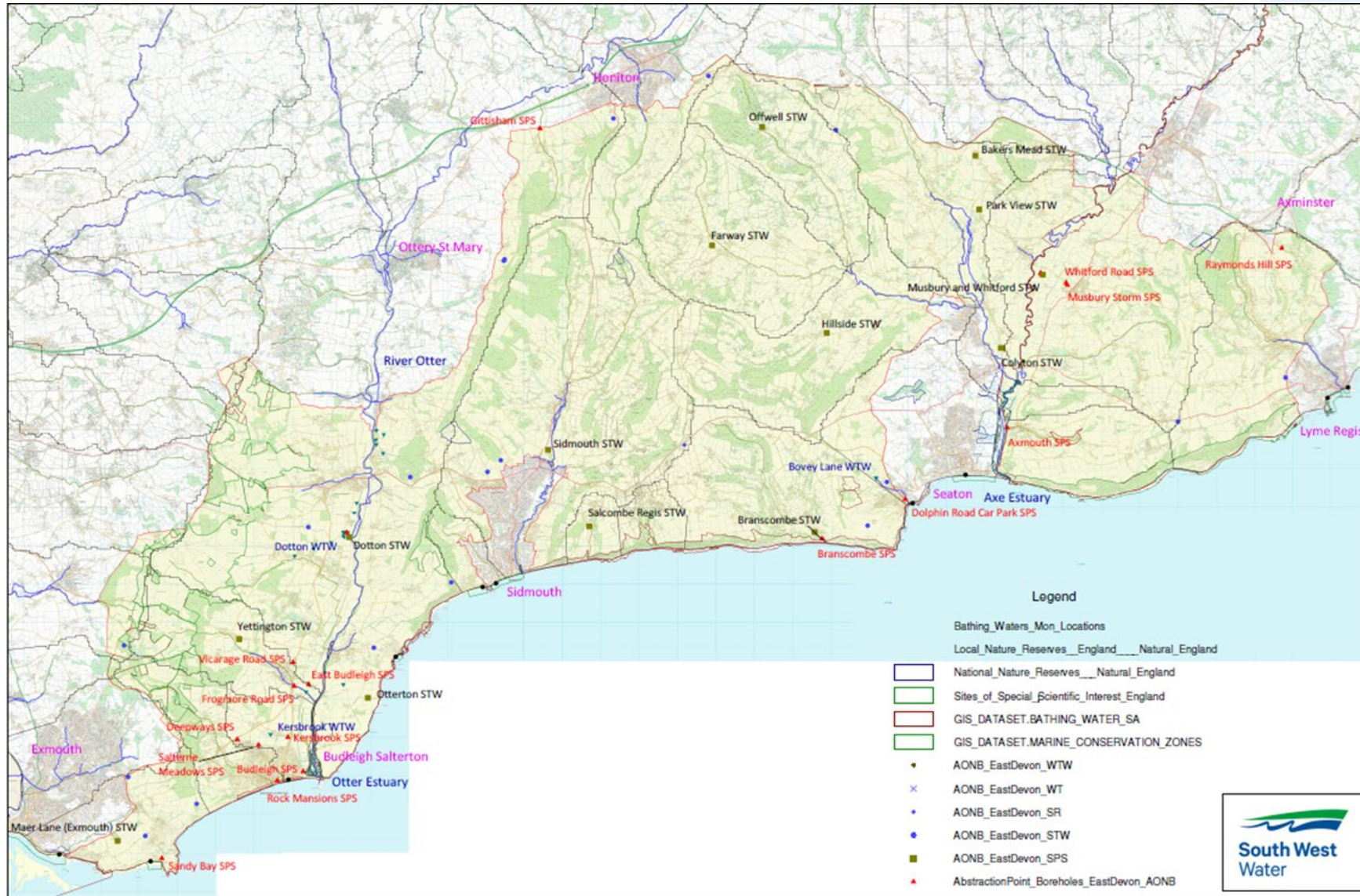


# Drainage and Wastewater Management Plans (DWMP)

Regional Plans built up from local catchment plans, available through SWW website



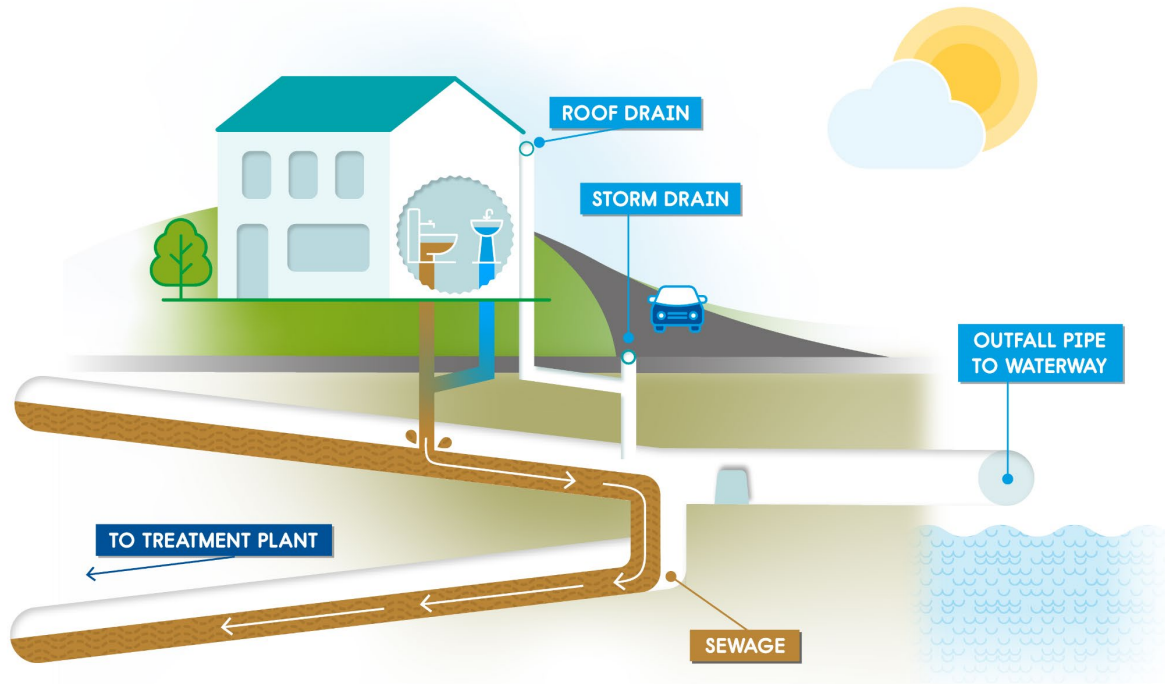
# East Devon AONB area



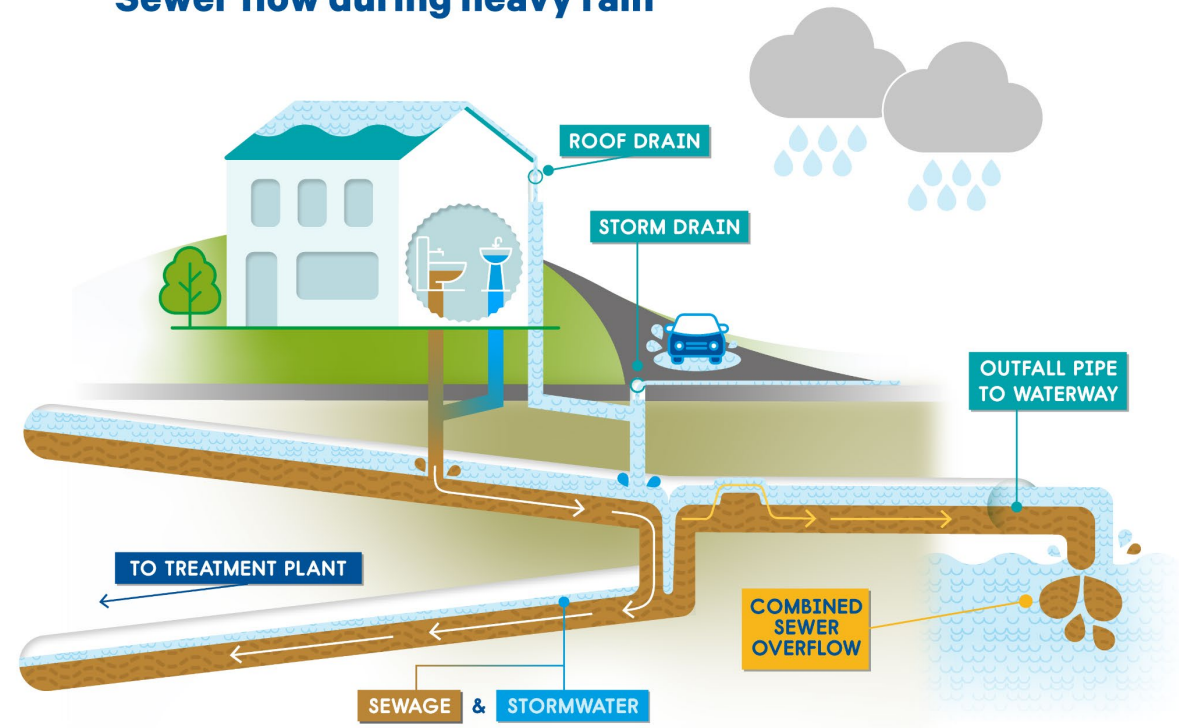


# Storm Overflows – what are they?

## Sewer flow during dry weather



## Sewer flow during heavy rain



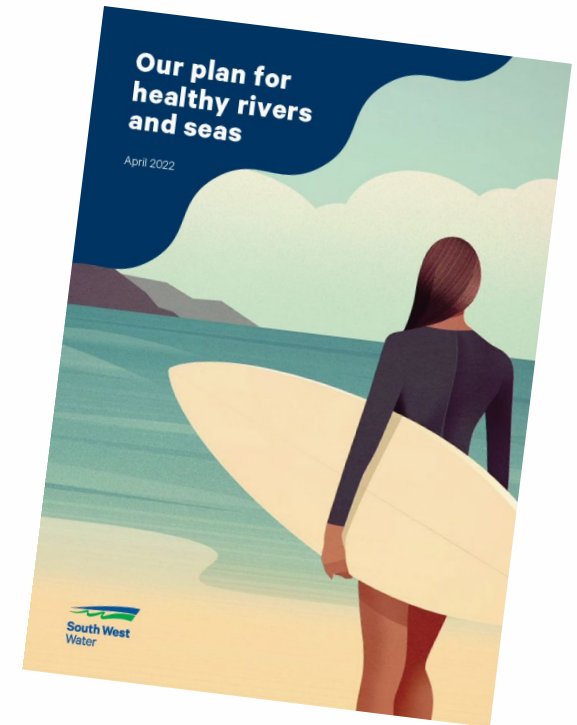
# Investing to reduce storm overflows

- Waterfit investment of £330m reducing average spills per location to **20 per year by 2025**.
- Further investment reducing average spills per location to **10 per year by 2040 (10 years ahead of Defra target of 2050)**
- Accelerated delivery investment to start by 2025
- Significant investment planned for next 25 years
- Established a Storm Overflow Task Force



# WaterFit – happening now...

- Additional treatment capacity at 59 wastewater treatment works
- Replacement of 27 inlet screens at wastewater treatment works
- Enhancements to pump stations
- Additional storm storage
- Root cause analysis of frequent spillers and rapid intervention for any quick wins
- Installation of EDM Instruments 100% of all storm overflows - Complete
- WaterFit Live ... more on that to follow!

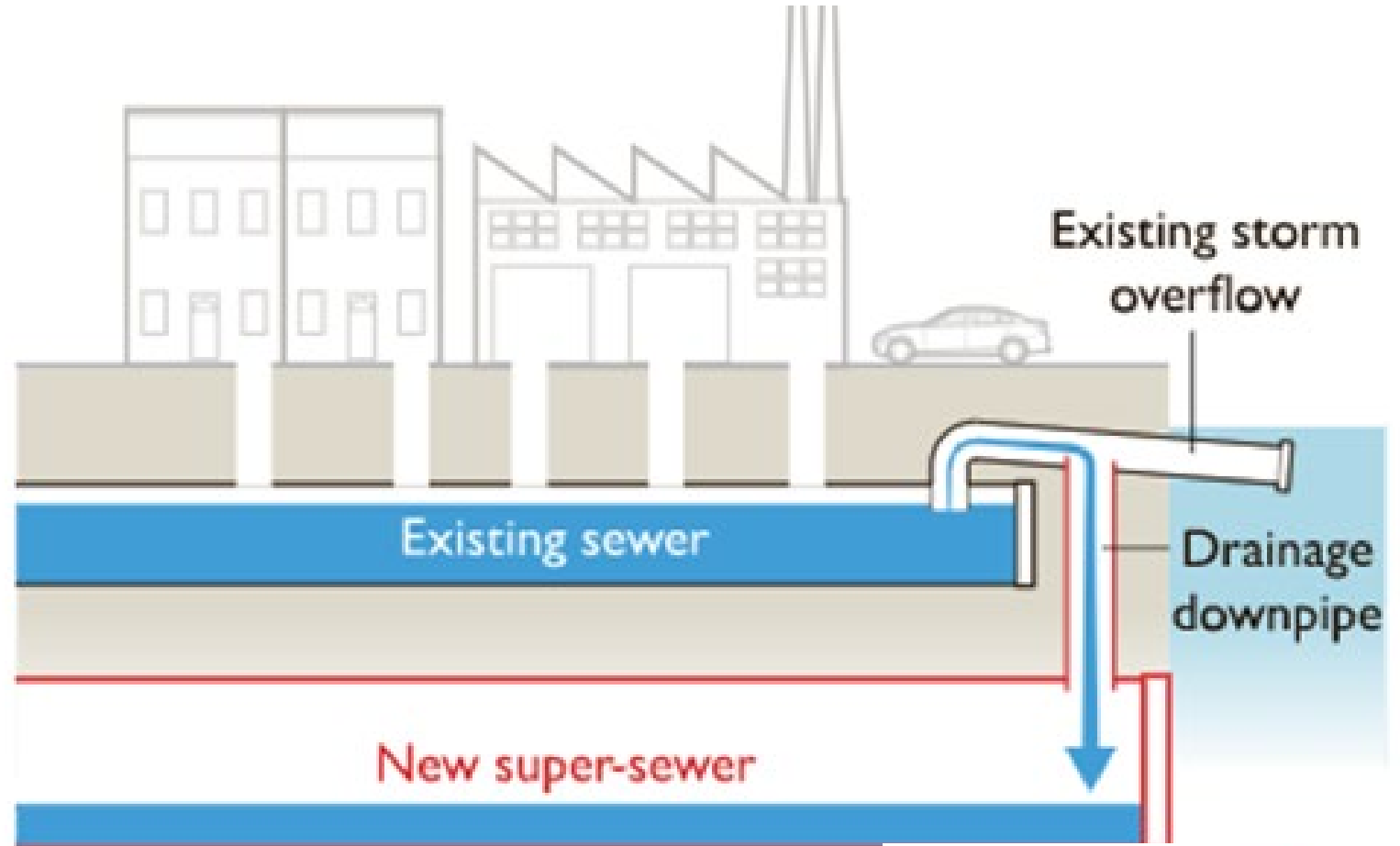


# What can we do to reduce spills...



## Major infrastructure works such as Thames super-sewer

Storm overflows are diverted into new, larger sewer system more capable of dealing with the high demand



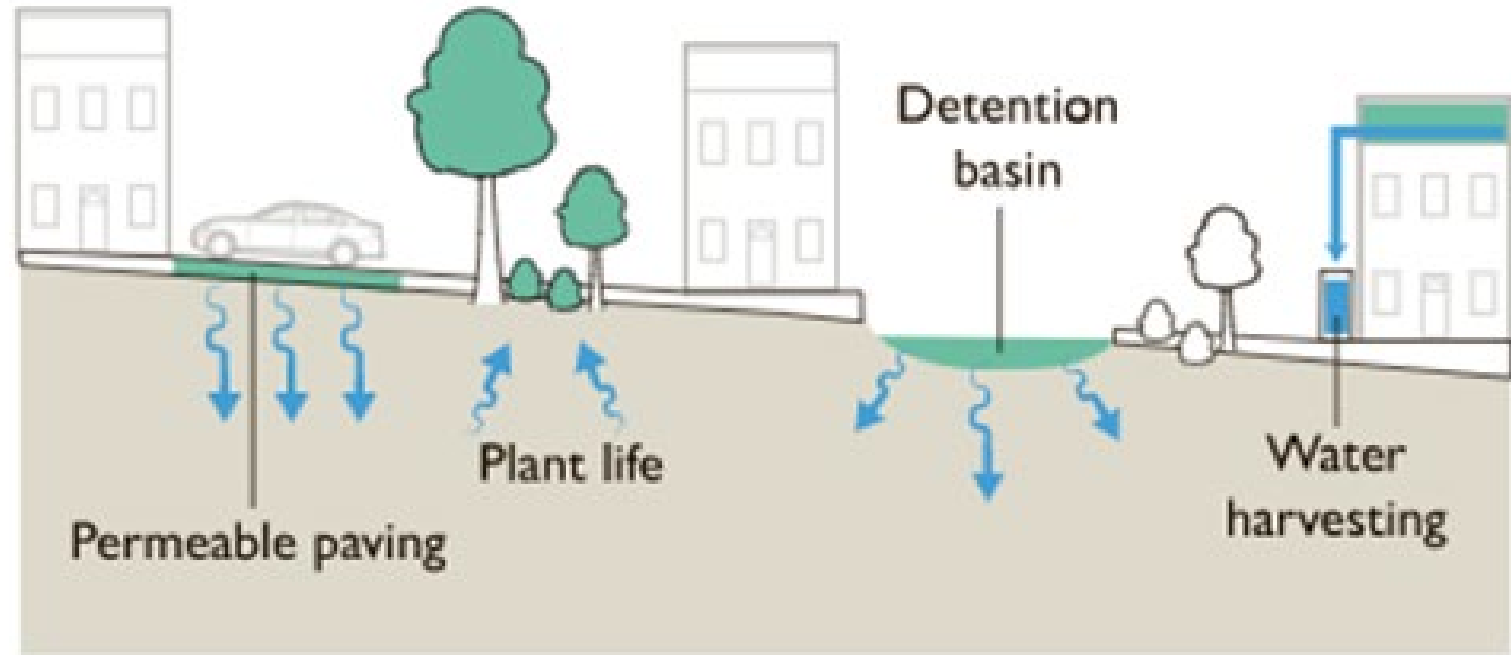


# What can we do to reduce spills...

2

## Sustainable urban drainage systems

A network of detention basins, permeable paving, water harvesting and planting greenery can help alleviate pressure on sewage pipes from storm drains

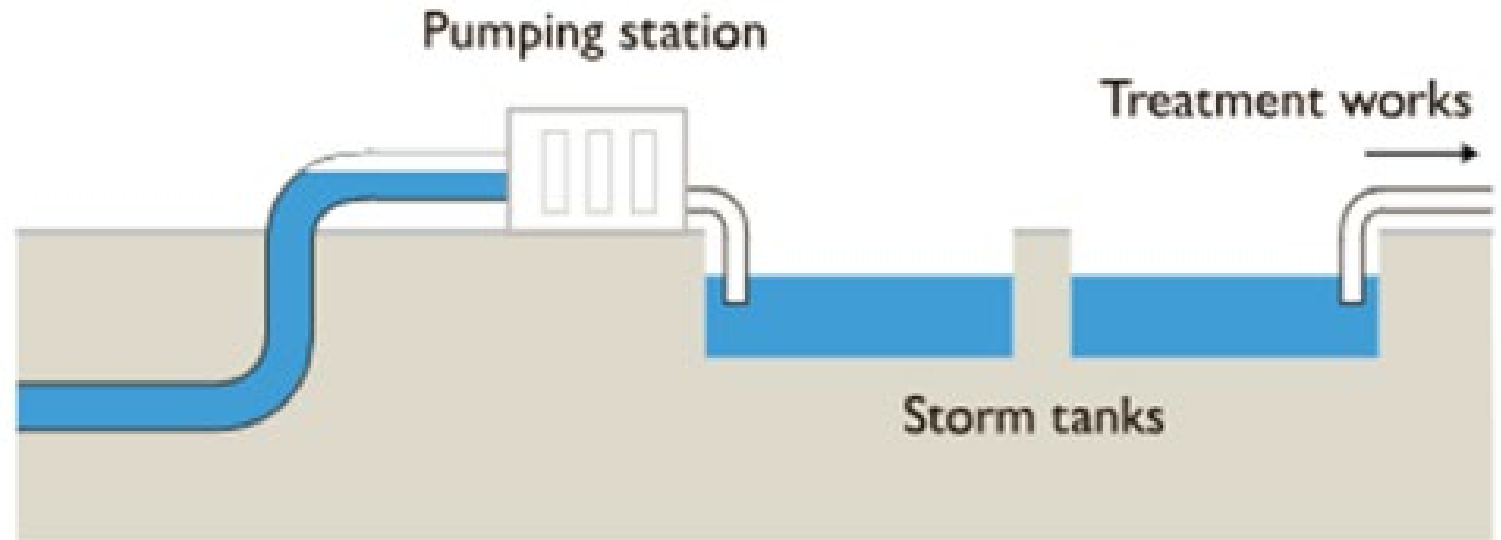


# What can we do to reduce spills...

3

## Extra storm tanks at treatment works

Sewage could be stored on-site at times of high rainfall, to later be treated, to avoid the spill

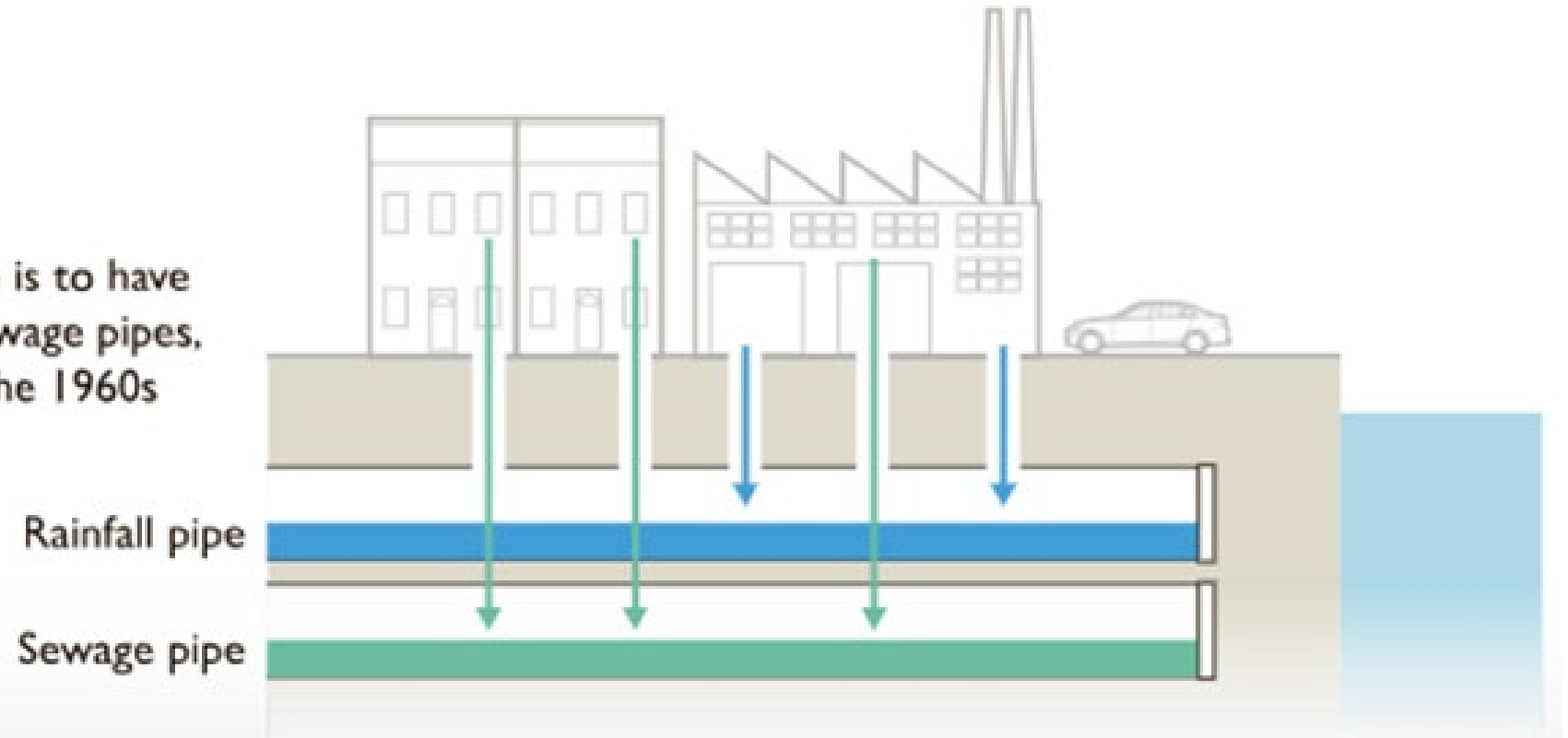


# What can we do to reduce spills...

4

## Separate pipes

Another (expensive) solution is to have more separate rainfall and sewage pipes, which have been built since the 1960s








The screenshot shows a web browser window with the URL [southwestwater.co.uk](https://southwestwater.co.uk). The page features a navigation menu with categories like 'Household customers', 'Environment', 'Community', 'About us', 'Businesses', and 'Building & Development'. Below this is a secondary menu with 'Water resources', 'WaterFit', 'Rivers and bathing waters', 'Working in the environment', and 'Eco hub'. A search bar is located on the right.


## WaterFit protecting our rivers and seas together.

WaterFit is the next stage in our environment strategy, accelerating and expanding plans to protect and enhance the South West's water for future generations.

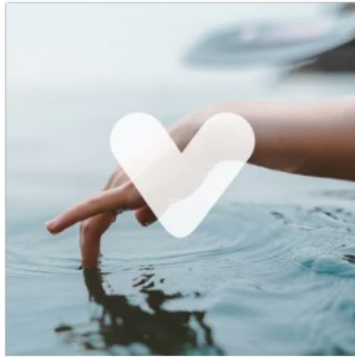
Our WaterFit programme reflects our commitment to reduce our impact on the environment and ensure we are enhancing the South West's water quality. We've listened to our customers and we know that you want more information about what's happening and when. We are committed to providing greater transparency on our network and its performance, as well as how we will improve it, now and in the future. Find out more below.




**Our commitment & plans**



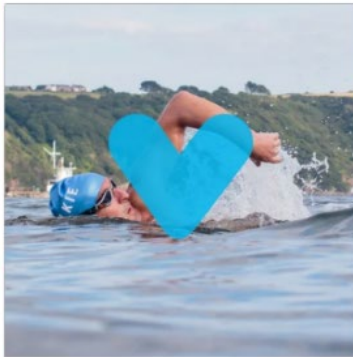
**Investing in the future**




**Doing your bit**



**Rivers & bathing waters**

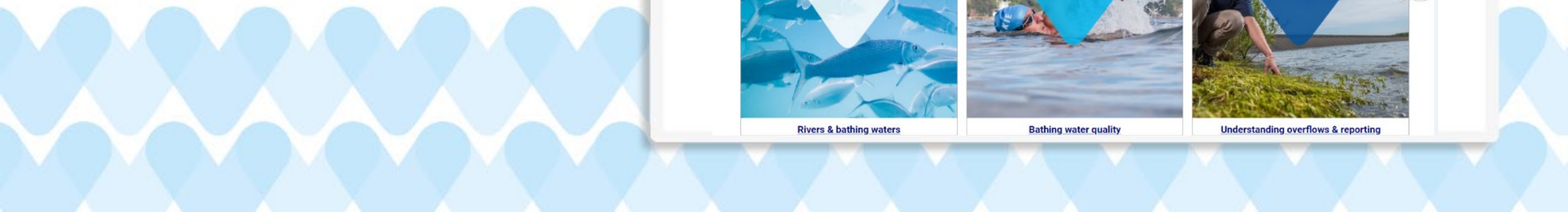


**Bathing water quality**



**Understanding overflows & reporting**

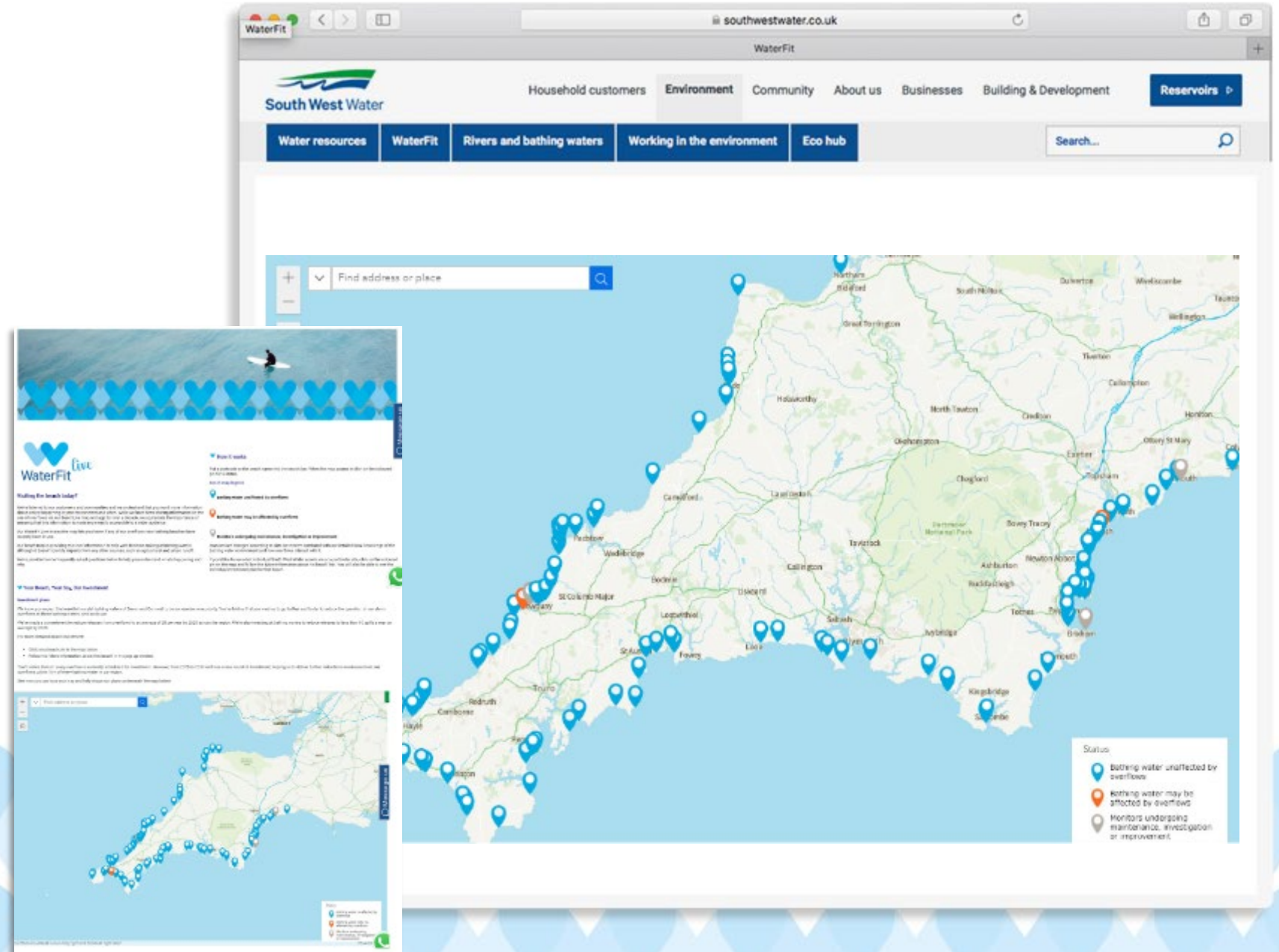
On the right side of the page, there is a vertical 'Message us' button and a WhatsApp icon.





# Beach map

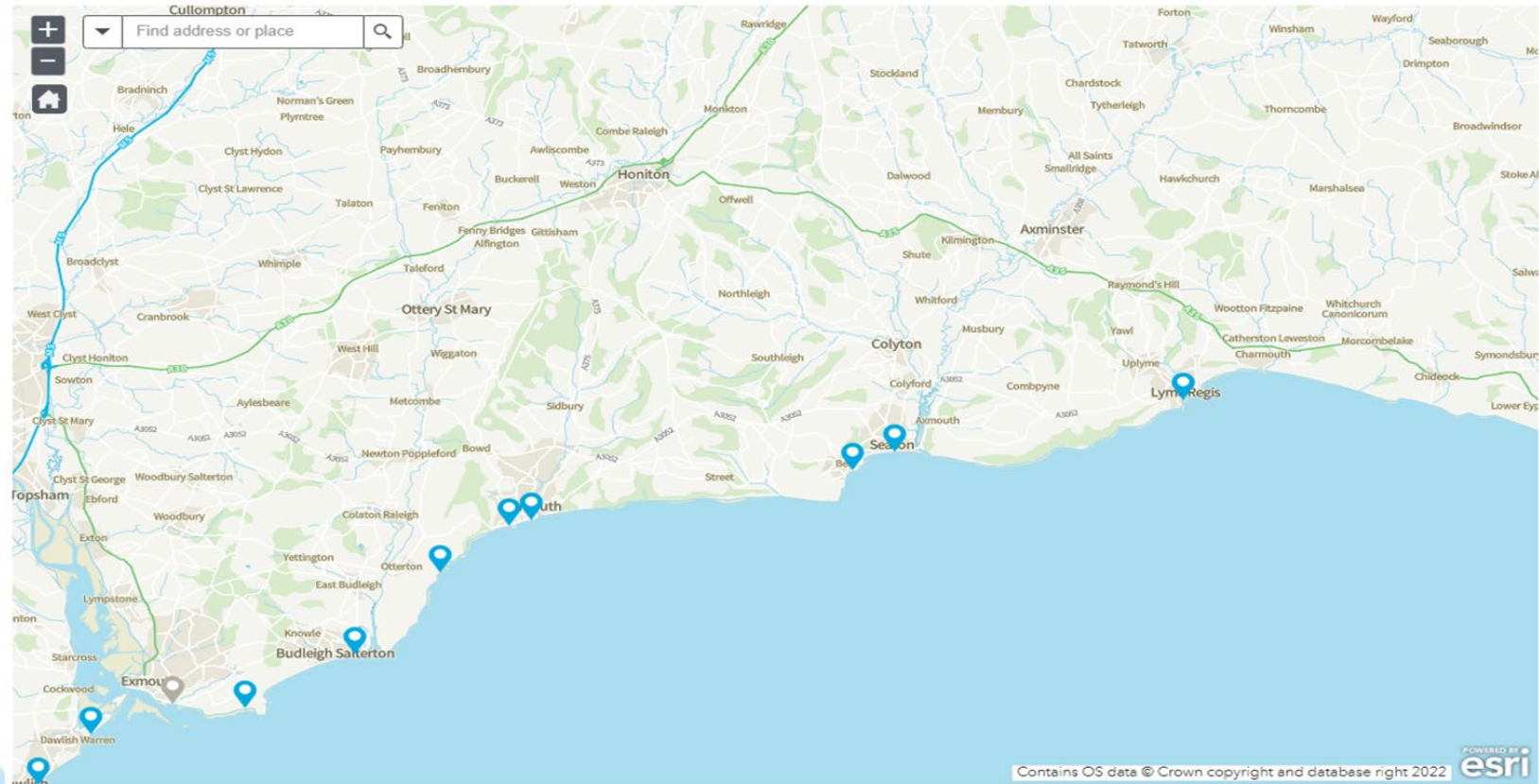
- Beach status
- Zoom function
- Search by beach name
- Investment information







If you'd like to see what overflows we have at a particular beach, click on the coloured pin on the map and follow the ['More information about this beach'](#) link. You will also be able to see the specific investment plan for that location up to 2025.



### Your Beach, Your Say, Our Investment

We are inviting local community and stakeholder groups to work with us, as we consider where we need to prioritise our investment for 2025.

The knowledge you hold about your bathing water is invaluable. We know the bathing waters in our region really well, but we also know that so much insight lies with our customers and beach communities.

As we begin refining our investment programme from 2025-2030 we are inviting local community and stakeholder groups, including Parish and Town Councils, to help us prioritise that investment. If you want to get involved please [tell us about your beach](#).

If you are an individual customer and want to have a say in your water company, you can join our quarterly Watershare+ challenge panel meetings. [Find out more here](#).



# WaterFit *live* Overflow Map

(1 of 2)

### The Ham pumping station overflow High Level, Sidmouth

**Not activated**

Last monitor activation  
Started: 11 May 2023 12:45  
Stopped: 11 May 2023 13:47

[Zoom to](#)

### Ilsham Valley pumping station overflow, Torquay

**Activated in the last 24 hours**

Last monitor activation  
Started: 11 May 2023 19:29  
Stopped: 11 May 2023 20:46

[Zoom to](#)

(1 of 2)

### Seaton pumping station overflow

**Monitor activated**

Started: 12 May 2023 15:49

[Zoom to](#)

### Efford Marsh storm overflow, Plymouth

**Monitors undergoing maintenance, investigation or improvement**

Started: 7 May 2023 19:45

[Zoom to](#)



# WaterFit

## What next: WaterFit roadmap

Step 1:  
WaterFit Live  
Launch

Step 2: Engagement  
with communities  
and stakeholders

Step 3: Ongoing  
updates - investment  
and delivery

Step 4: Initial release  
of near real time  
reporting at CSO level

Step 5: Evolution to  
reflect customer and  
stakeholder needs

Step 6: Further  
phases of CSO  
reporting

