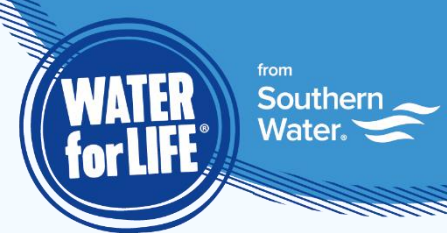


FAIRLIGHT UPDATE



What we're doing to 'slow the flow' and reduce surface water in Fairlight

[Watch our Fairlight Pathfinder Update video](#)

Background

The Fairlight catchment was specifically chosen as a Pathfinder due to current and historical occurrences of flooding, and current storm overflow performance within the area. The original Fairlight sewer network is acting as a combined sewer with foul water and surface water connecting into the sewerage network.

- **Infrastructure improvements:** We're upgrading and optimising our infrastructure and systems to manage heavier flows of rainwater.
- **Partnership:** We're working closely with customer and stakeholders within the catchments as well as local authorities, businesses, and homeowners so we can make the biggest impact possible.
- **Sustainable Drainage Systems (SuDS):** We're using a variety of SuDS to increase natural drainage and manage excess surface water.
- **Putting misconnections right:** Illegal surface water misconnections can really affect how well sewer systems handle rainwater. Many of these misconnections are on private pipework, so we need to ask permission from the landowner before we can put them right.

Our progress

- **Slow the flow:** We've installed 322 slow-drain water butts for residents so far. These will capture 32,200 litres of water per rain event and manage 0.60 hectares of impermeable area. Our delivery partner is now out in the catchment installing both sizes of water butts.
- **Pipework improvements:** We've carried out 5km of detailed surveys in the catchment on the main sewer spines. These have now been reviewed and sent to our contractor. The results will be used to create a programme of works to line key areas of the sewer to stop infiltration, with a view to start **Summer 2024**.
- **Illegal connections:** We've found and sealed eight illegal surface water connections within existing foul manholes, this has now increased the resilience of the system and is managing at least 0.5 hectares of impermeable area.
- **Optimisation:** We're in the process of reviewing and optimising the way we return stormwater stored in the storm tanks back into the treatment works for processing. By doing this, we can hold and treat even more water. We're also reviewing the treatment process for other optimisation opportunities.
- **Large roof rainwater management:** We're carrying out surveys in the catchment on large roofs to manage their rainwater run-off. If the properties are connected to the foul system, our engineers will be contacting the owners with proposals to rectify the connections. Properties are already being identified and our engineers will be making contact soon to discuss options with the owners.
- **Working collaboratively:** We're working with the Marsham Sewer Trust and the Environment Agency on investigations into how the rainfall induced infiltration impacts the surrounding area.



Our progress



- Combined Sewer Overflow
- Surface Water connection under review
- Managed Surface water connection
- Red Roofs to be managed
- Treatment Works Optimisation

- Completed WinCan Survey
- Completed CCTV survey
- Lining Works in progress
- Completed Surveys at Marsham Farm
- Completed Lining Works

Upcoming

- **Lining:** The lining work in the Fairlight catchment will be starting in **early July** running to the end of September. We have been able to secure an earlier time slot from our contractors and apologise for the short notice. They will be starting in Lower Waites Lane and Rockmead road before moving onto Channel and Shepards way. This is a two-stage process with the liner going in first , its then inflated and hardened with an ultraviolet light source and finally the lateral inputs are cut out.
- **Redundant Sewer:** We have now completed our survey of the redundant sewer into the treatment works and work is progressing to cap off the part of the sewer that is no longer used and line the remaining 105m to the treatment works.
- **Slow the Flow:** If you haven't already taken advantage of the free survey and potential water butt install, please make contact before 30th September via email with your full name, address, and contact number to utilities@rescue2.co.uk . Alternatively call 01903871105. Both 200lt and 100 Lt water butts are available.
- **Team changes :** Welcome to our new project manager James Latter he will be playing an active role in delivering our pathfinder project in Fairlight with Matt please say hello to him if you see him in the catchment.



Liner going in.



Ultraviolet hardener

Examples of Liner installation

Provisional lining programme of works

