

File note

Follow up from SOAF investigation output statement –

Query and request sent to DCWW February 2025:

Background information/data that was used for the SOAF audit report including:

- The flow survey information, PFF data & detail of the asset surveys undertaken,
- A summary of the maintenance interventions that were identified and how these are being taken forward (i.e which team in DCWW)
- A copy of the Infiltration Reduction Plan referenced in the SOAF audit statement.
- Locations of the lining works mentioned that has already been undertaken in the catchment.

The SOAF audit statement says year of breach 2020 and investigation 2021, the audit statement came to us in 2024, would any subsequent years (2022, 2023) also have been used as well in the SOAF assessment process?

Initial response February 2025:

In summary, A short term flow survey was undertaken which was used to calibrate the hydraulic model, in addition to asset surveys.

As there are maintenance interventions that have been identified, these are with the engineers in my team (this is on the boarder between being [REDACTED]) who will work with one team around the noted pump issues and will separately investigate the sources of infiltration.

There have already been some lining works delivered to remove infiltration in the catchment.

Requested further detail and/or meeting to discuss. Response received June 2025:

Primary Cause – Infiltration

Secondary Cause – OC Continuation Restriction (Pump Performance)

Infiltration Updates

Phase 1 -SOAF

- Local catchment survey undertaken by [REDACTED] in May 2023 – Lift /look/CCTV

- Sources identified (Attached PDFs)
- Works approved to remove sources, lining works completed in Dec 2023
- Post review completed 16/02/2024

Phase 2 - SOAF

- Additional CCTV work requested (to be completed before April 2025)
- March 2025

Plan 1 - [REDACTED] CCTV SS91777501 (150mm VC) -Upstream SS92770301- Approx 325 meters

Plan 2- At Ewenny SPS CCTV SS90778507 (225mm/150mm VC) – Upstream SS91773601 – Approx 500 meters

- Surveys not complete due to access and flows
- Winter 2025/26 – Revisit during wet conditions

Unwanted flow Team (Networks)

- This team have also been investigating the catchment looking for opportunities to remove sources of unwanted flow.
- Completed a lift and look (11/02/2025) – limited results
- Recommend Connectivity surveys / and to look for alternative sources (land/highway)
- Collaboration with SOAF

SPS Performance Updates (Secondary Cause)

- Rising main (we are currently reviewing this) the rising main is buried very shallow under the roadway at points its only 500-600mm below ground, the main is 100mm Di and there doesn't appear to have any Air valves located at the high point. We want to see if there is room to install an air valve, this will improve the velocity but may not be possible.
- Flow monitor – we are looking to improve the Flow monitor to help provide more accurate readings – Changing to a new Flow monitor is an ongoing programme across our assets. (We are awaiting for Estates.)
- AGA Client team – are reviewing the pump condition
- Maintenance and Reliability team will also be reviewing the future maintenance.

Attachments:



EWENNY1.pdf



EWENNY2.pdf



EWENNY3.pdf



IRP- CCTV-Ewenny
No2 Plan 1.pdf



IRP- CCTV-Ewenny
No2 Plan 2 (003)_Red

Further updates via Pollution technician: August 2025 - The lining scheme was approved and they have made a start with the only sections that remain are the ones that go through the farm fields at the Priory these will be completed after the crops have been cut with works planned to start after the 11/08/2025.

Update in local liaison meeting April 2026:

Issues with flow monitor installation – with Assets team, Ops chasing. Queried use of storm harvester in the catchment.

In flows team (SW contact) – Ewenny #2 issue with end patching on lining works, these have been ordered for installation by mid-April.