



Southern Water Pan Parish Forum

Quarterly Meeting

Agenda

- **Introduction from Chair**
- **Introduction from Nick**
- **Operational update FC**
 - Pumping station upgrades
 - Health checks
 - Environmental updates
 - Groundwater update
 - Flow restoration update.
- **Programme update KH**
 - Reminder of mission statement and commitment
 - Private connectivity and relining works
 - Public relining works
 - Monitoring
 - Future
- **Action updates and matters arising.**

Programme update



Seal everything
Public sewers
Public manholes
Private drains

Seal public defects
Seal leaks from electroscans
Seal MHs between sealed pipes
Scan the rest of the public network

Investigate condition of
public sewers
Scan all the pipes

2
3
1
4

Seal Everything

Thrupton, Kimpton, Fyfield & East Cholderton

Aim: no tankering from these villages

Scope:

Seal leaky public sewers – 4.5km

Seal public manholes – 134

Seal private drains – 559 properties (~8.4km)

Scan remaining public sewers – 1.9km

Aspiration: completion by Nov '22

Expectation: Seal Thrupton and Kimpton by Nov '22, follow with Fyfield & E Cholderton by Nov '23

Seal Public Defects

Amport & Monxton

Aim: no infiltration into the public network. Learn from “seal everything” villages and monitoring.

Scope:

Seal leaky public sewers – 1.4km

Seal public manholes – 65

Scan remaining public sewers – 3.2km

Monitor impact of upstream work

Plan future private drain sealing if required

Aspiration: sealing completed by Nov '22

Expectation: TBC

Investigate Everything

Weyhill, Abbots Ann & Little Ann

Aim: understand how much infiltration can occur into the public network. Learn from monitoring and other villages.

Scope:

Scan public sewers – 10.4km

Aspiration: scans completed by Nov '22

Expectation: scans carried out between May '23 and Nov '23 (TBC)

Monitoring

All villages

Aim: Improve understanding local groundwater levels. Improve understanding on where infiltration is entering the network. Improve speed of reactive maintenance. Evidence suitability of sealing technique.

Scope: Observation boreholes and improved groundwater model
Temperature sensing
AMP cycle electro scan programme

Aspiration: Monitoring in place for Nov '22.



Kimpton

High View Farmhouse

Legend

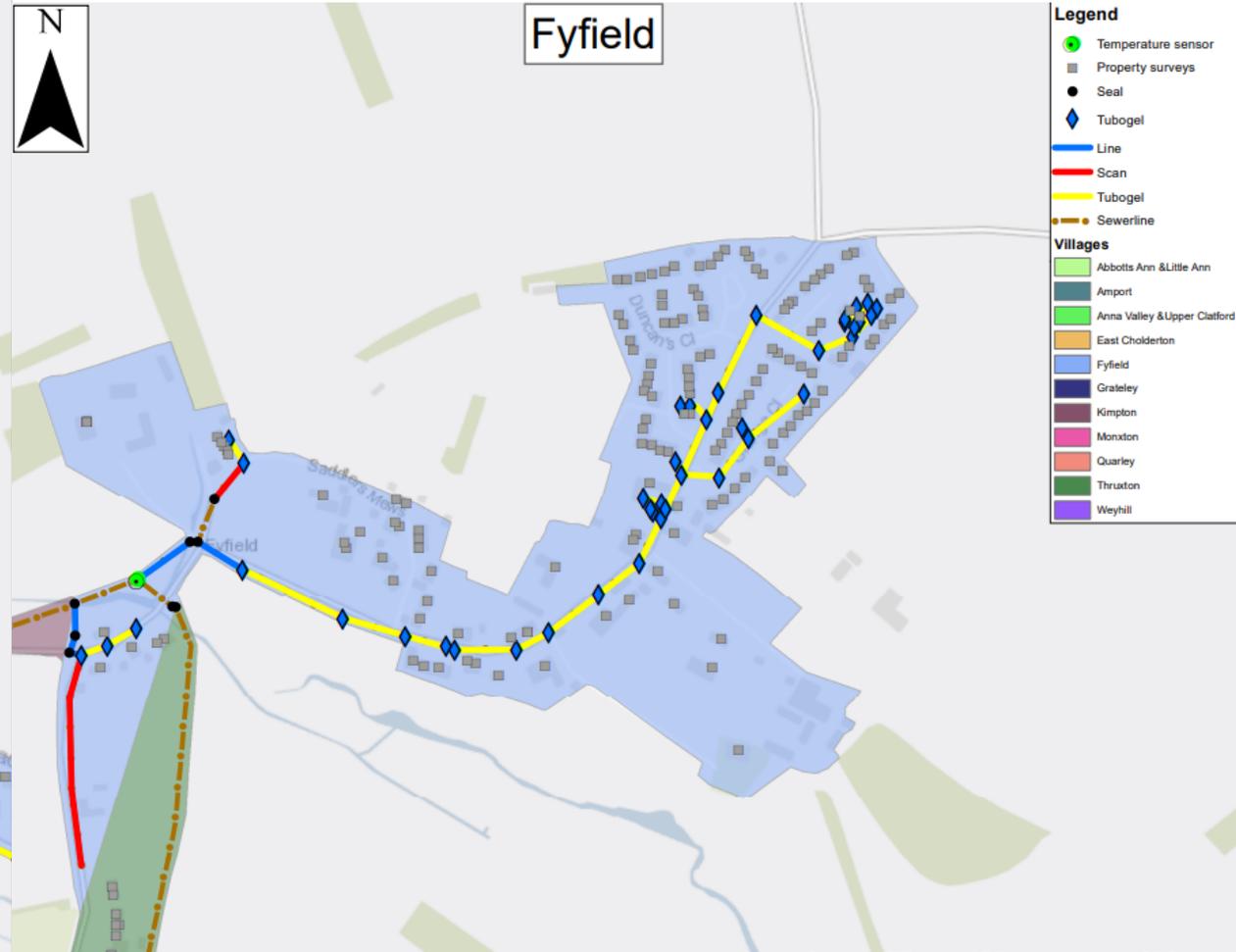
- Temperature sensor
- Property surveys
- OP2 Nodes**
- Seal
- Tubogel
- OP2 Pipes**
- Line
- Scan
- Tubogel
- Sewerline
- Villages**
- Abbots Ann & Little Ann
- Amport
- Anna Valley & Upper Clatford
- East Cholderton
- Fyfield
- Grateley
- Kimpton
- Monxton
- Quarley
- Thruxton
- Weyhill

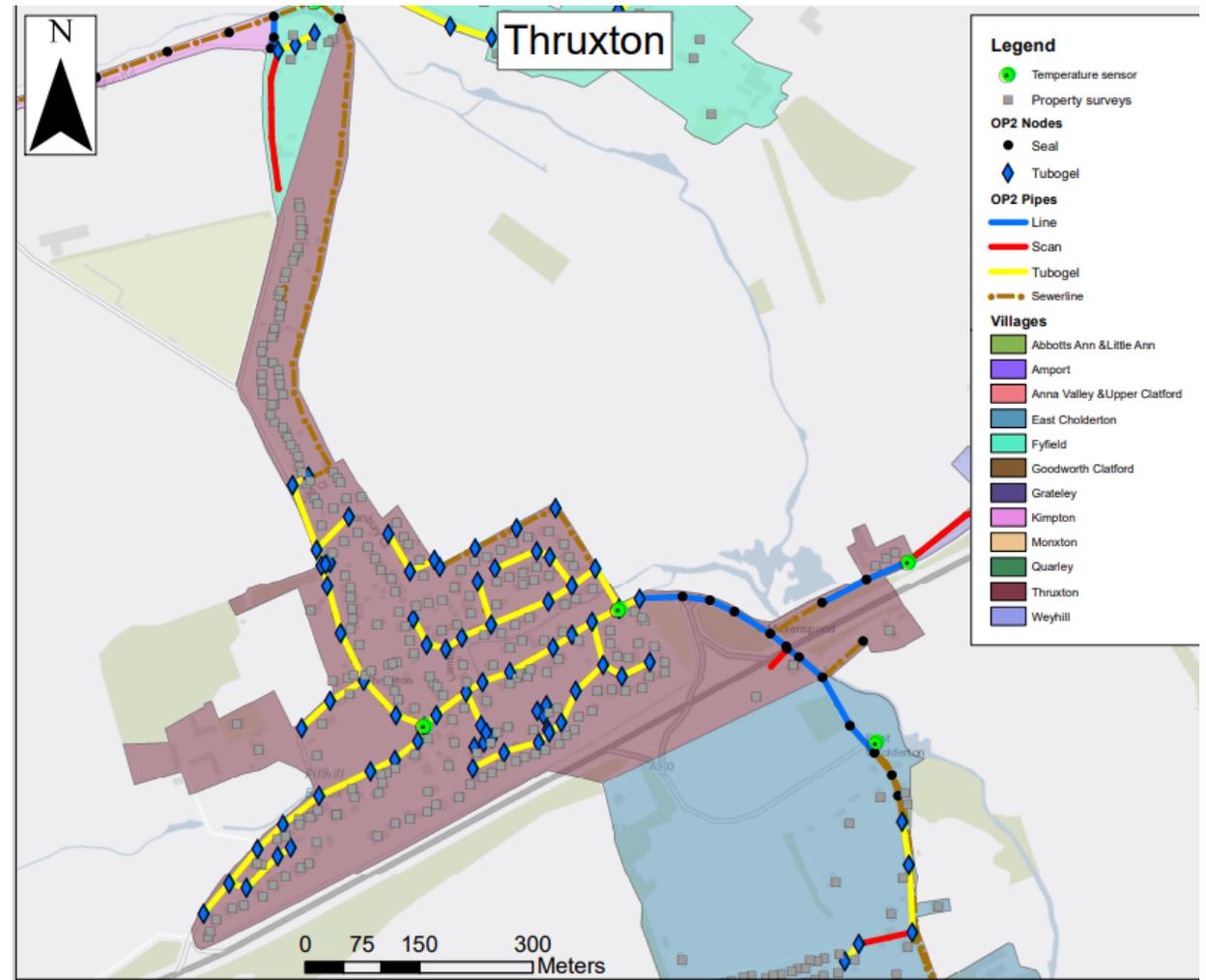
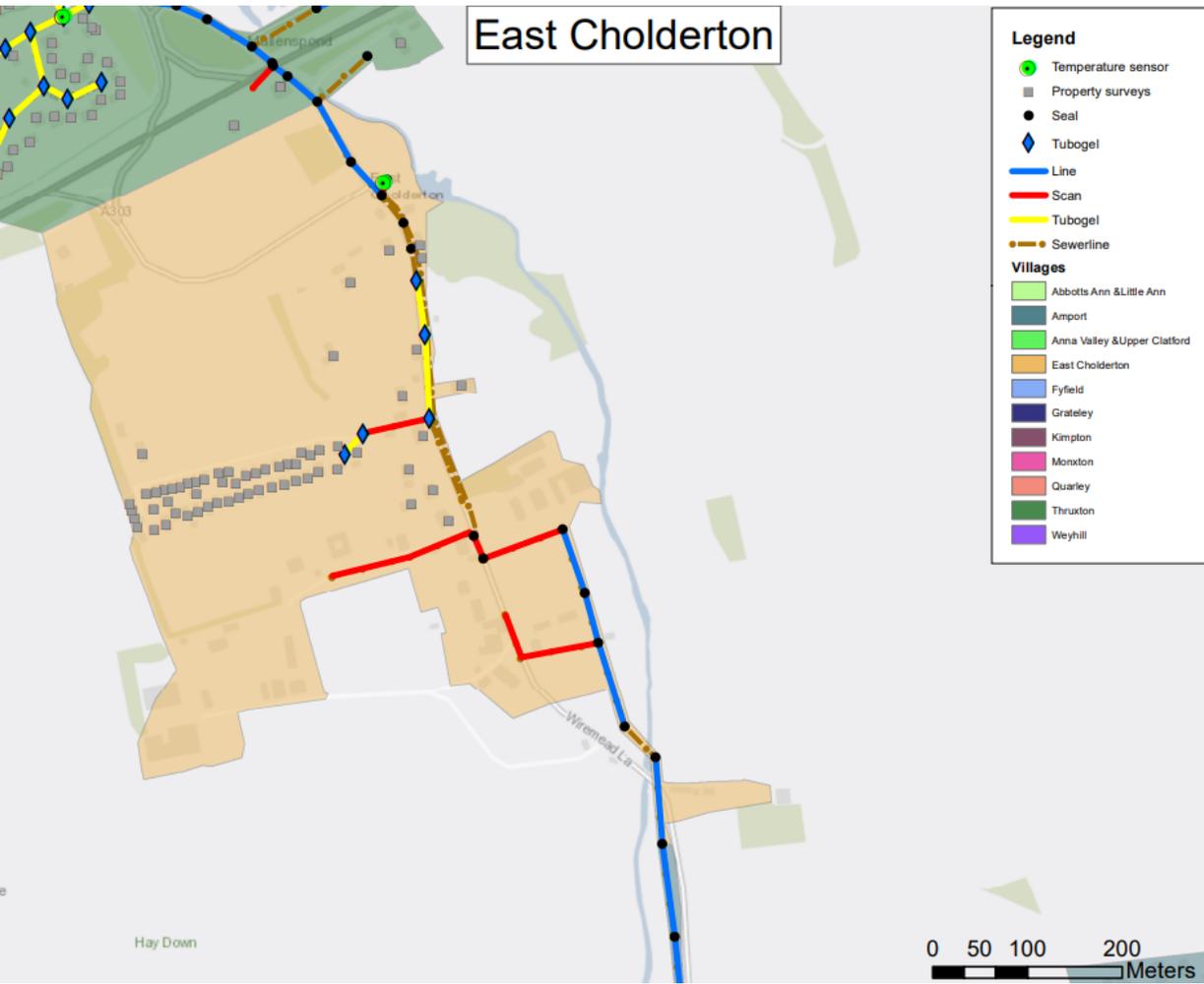


Fyfield

Legend

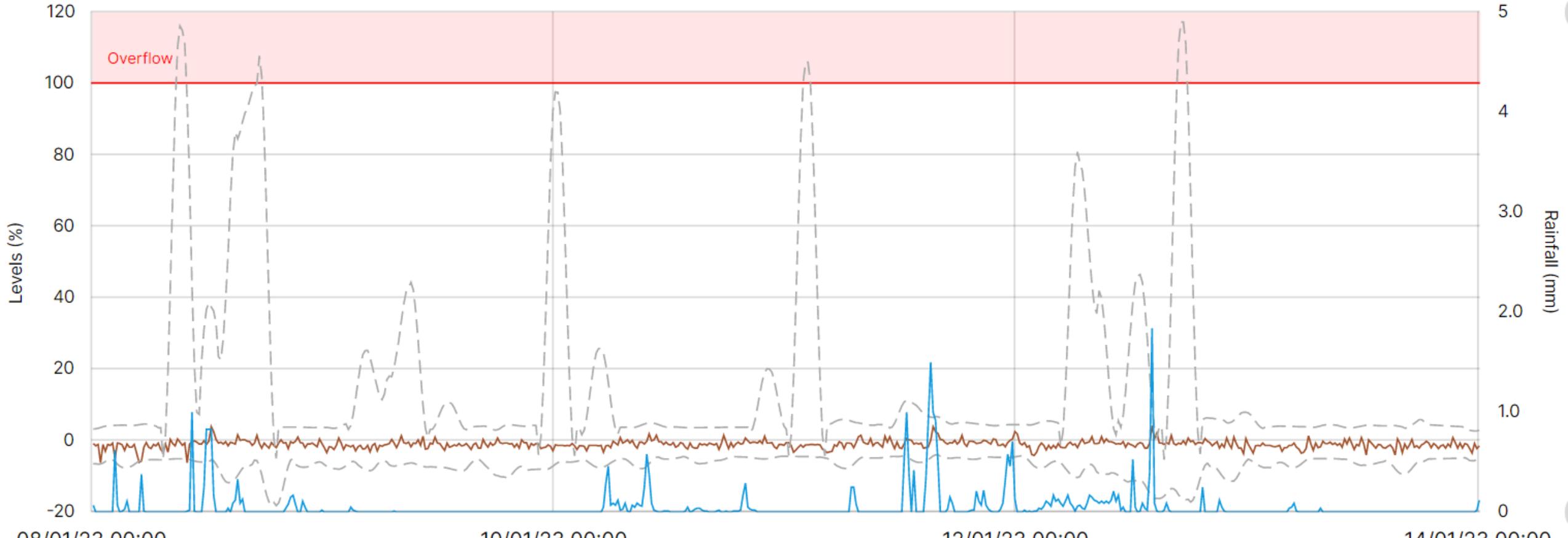
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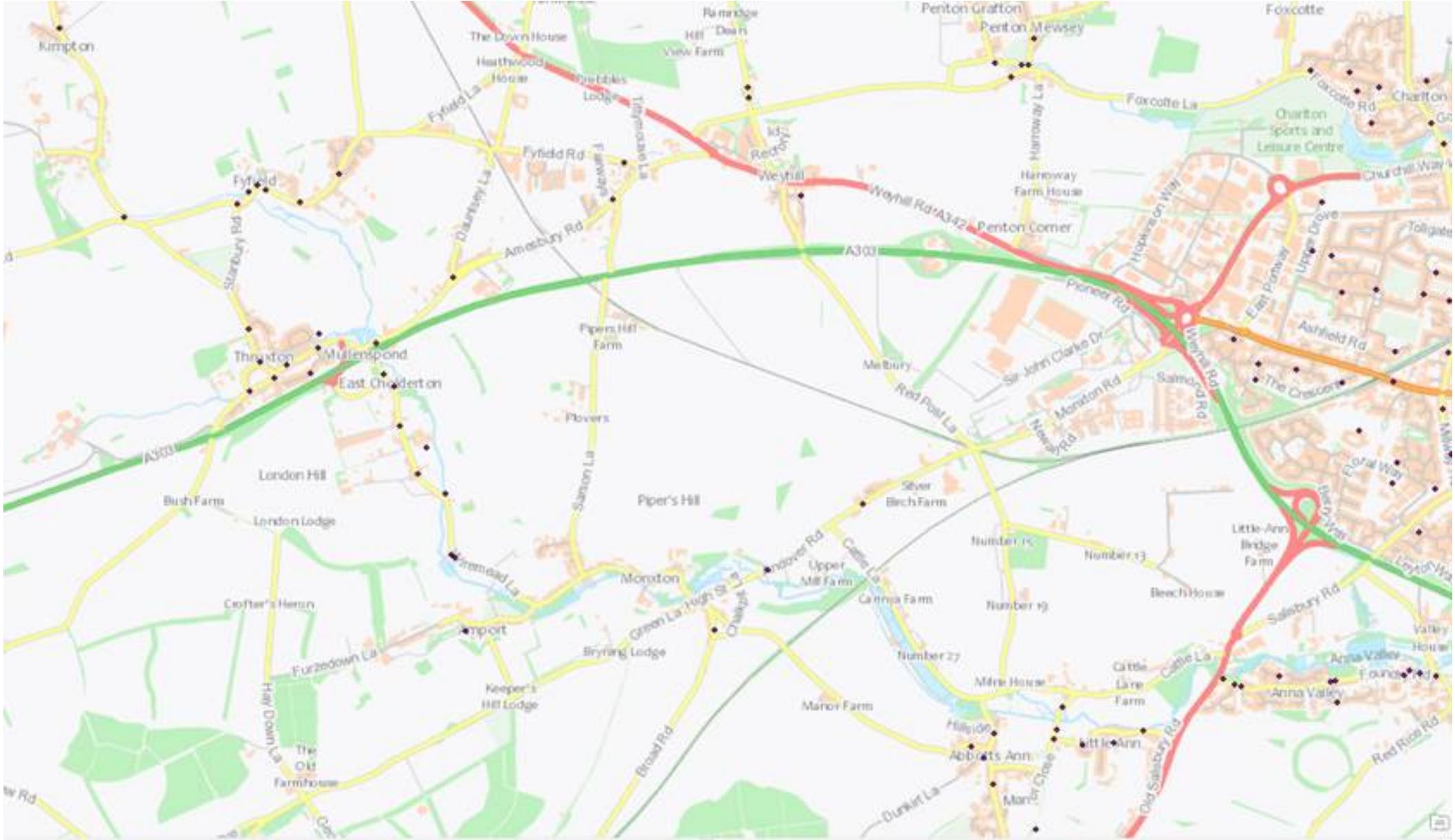


Monitoring

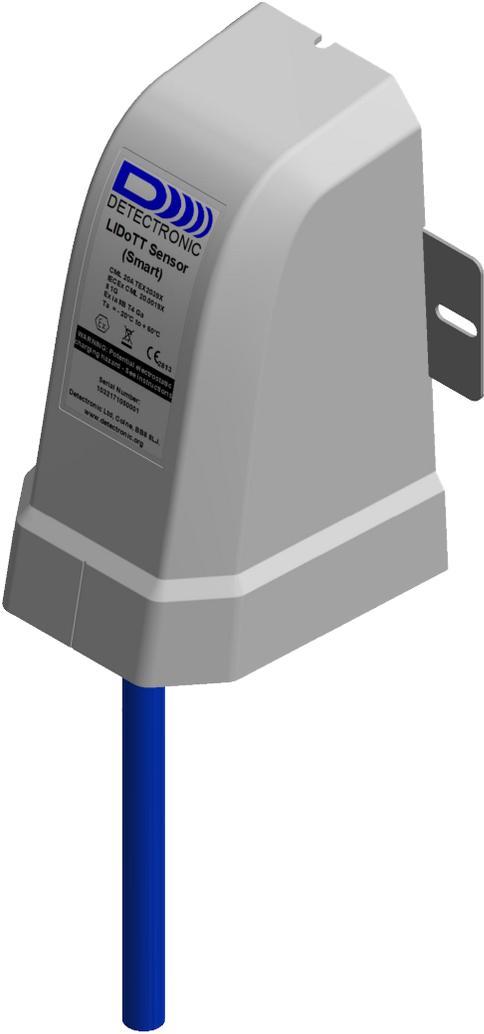
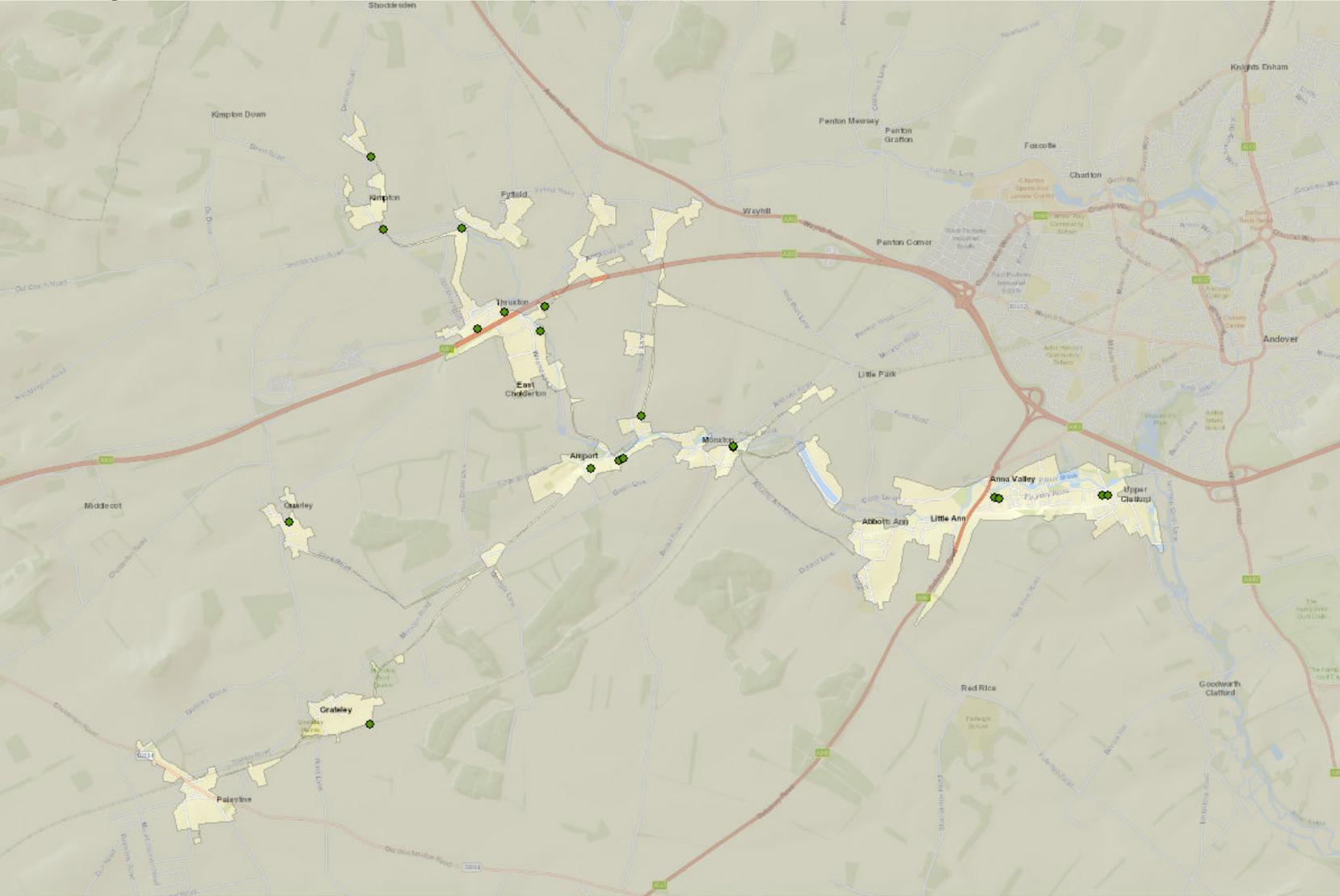
Sewer Level Monitoring



Monitoring



Monitoring Temperature Sensors



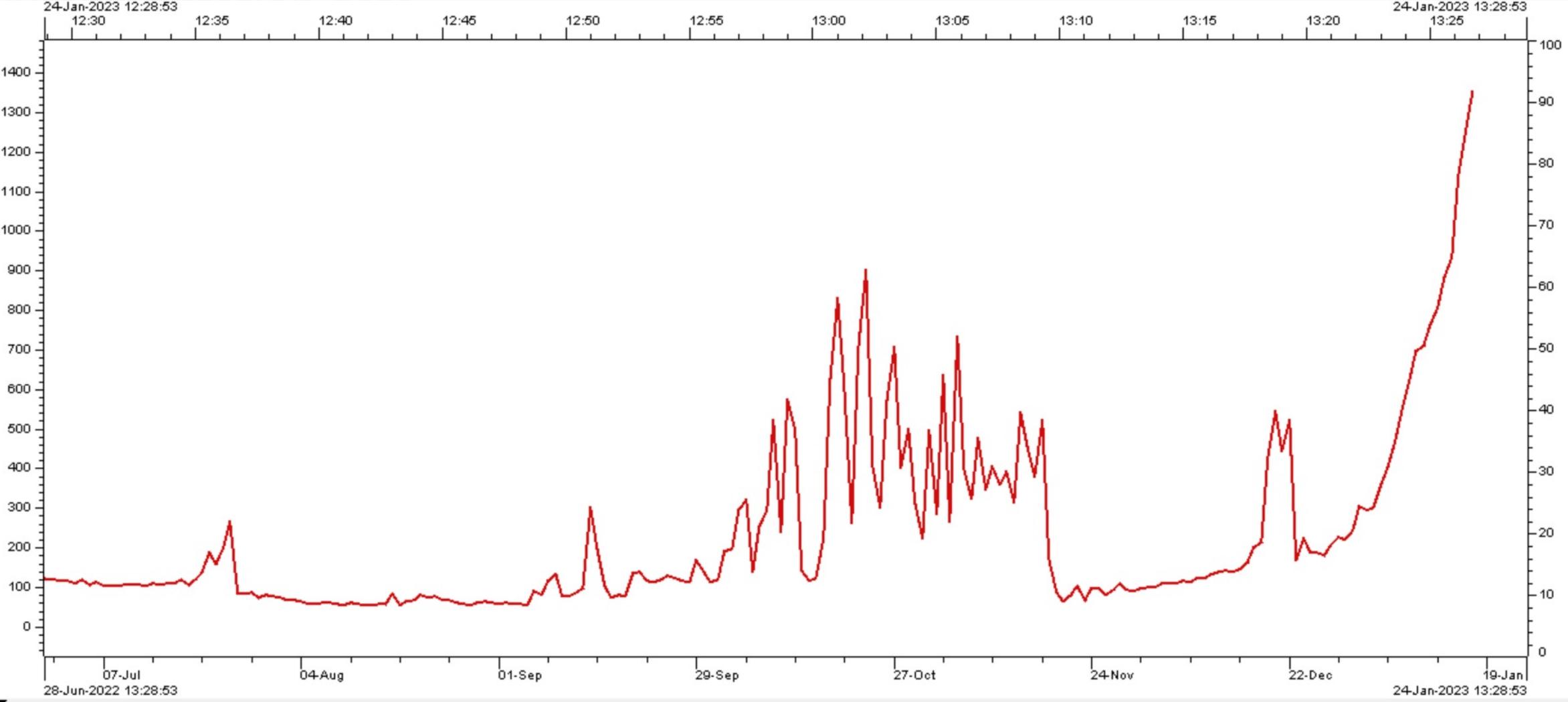
Monitoring

Boreholes

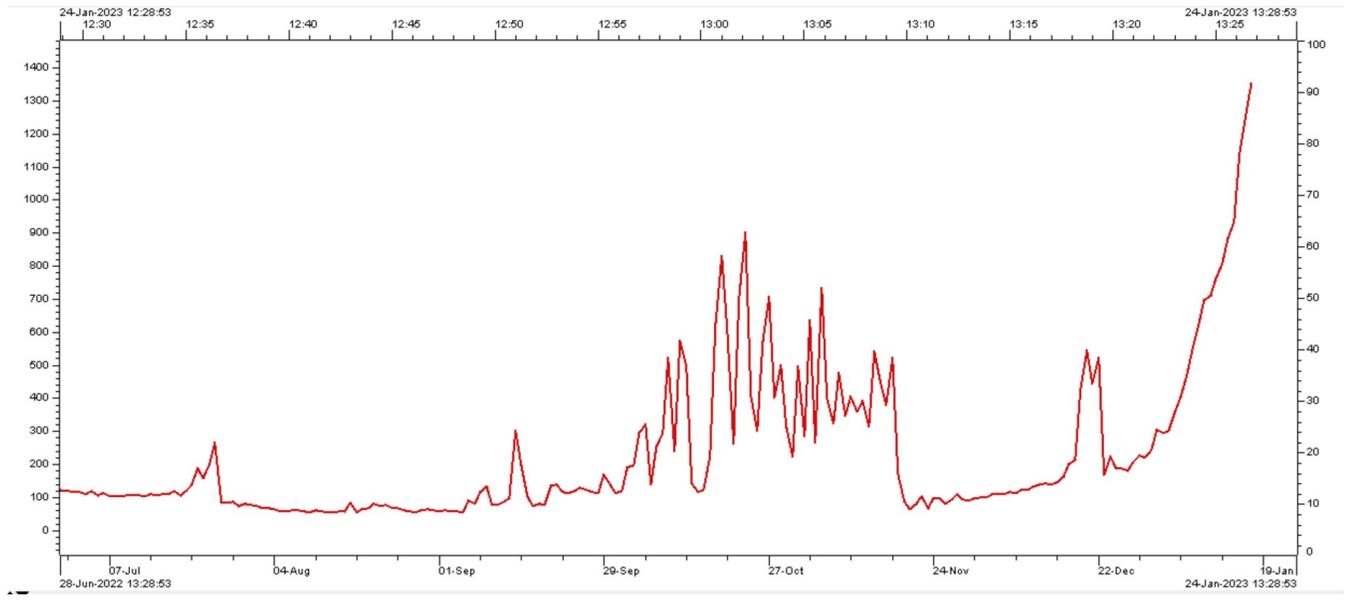
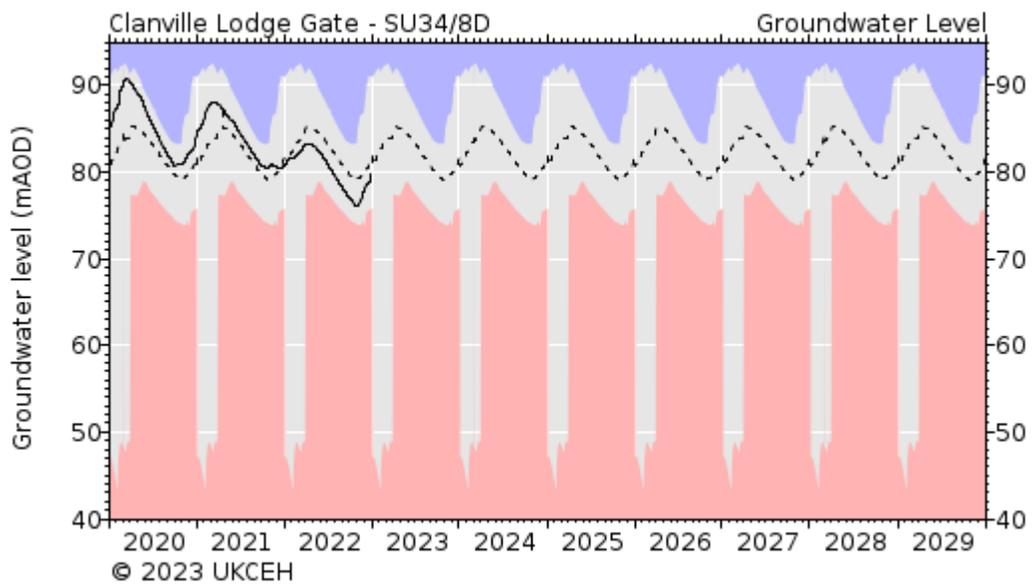
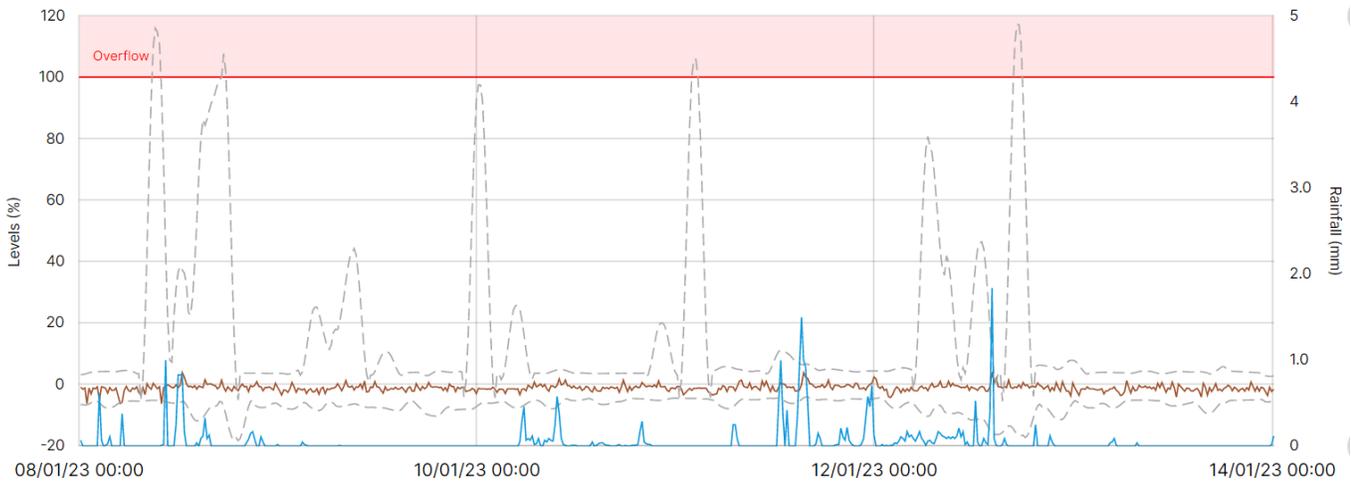
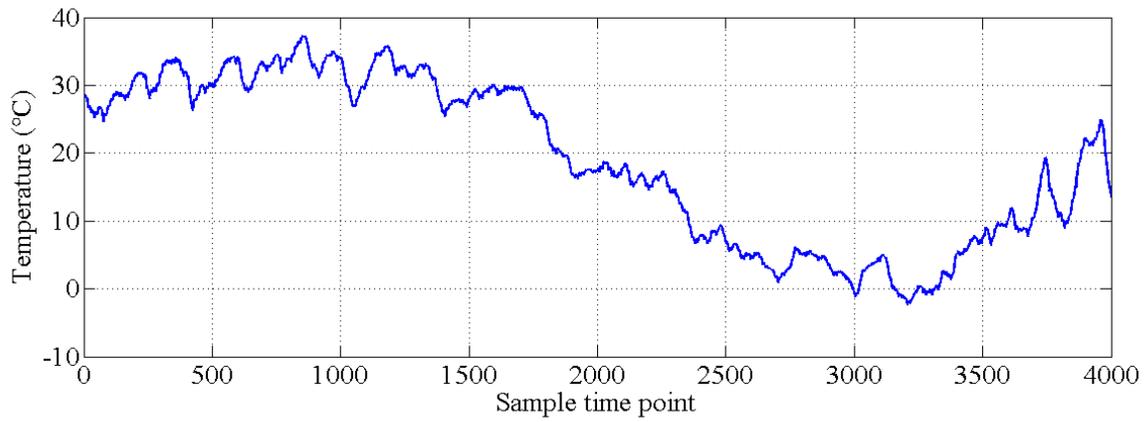


Monitoring

D... station data



Monitoring Dashboard Vision



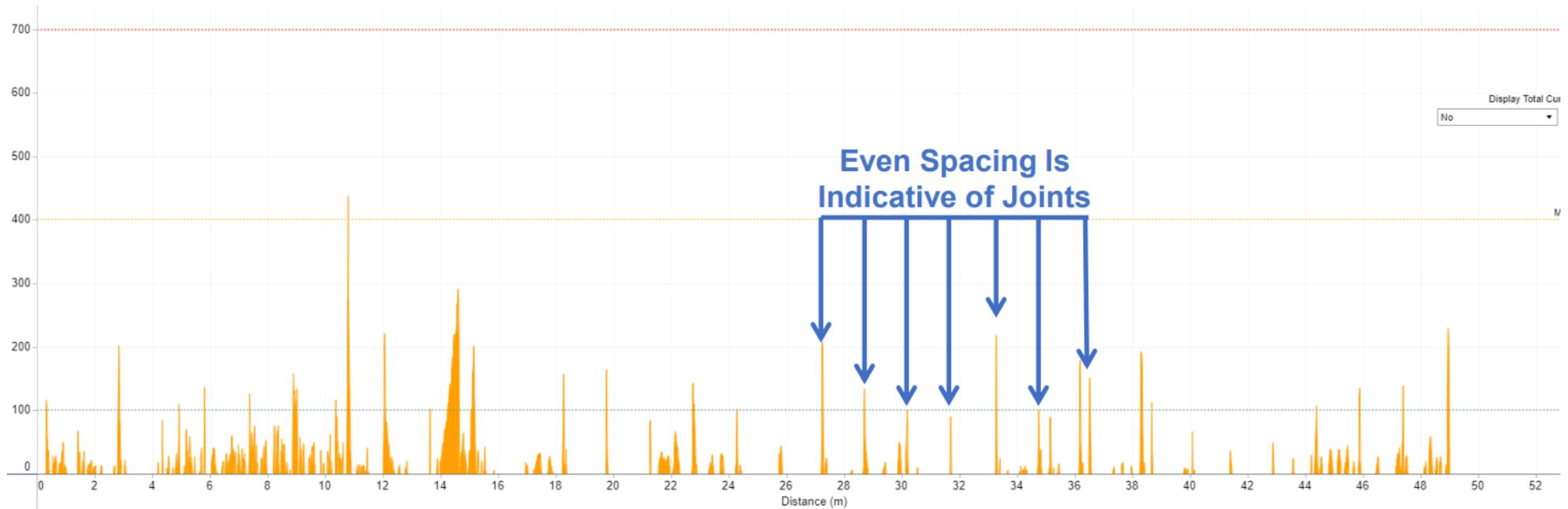
Monitoring

Electroscan and CCTV

183 electroscan surveys now complete. Over 7km of sewers surveyed.

700m of sewer put forward for relining

16 sections fell short of our internal standard



Private Lateral Sealing

Connectivity and Tubogel Progress

Village	Status	Total	Complete	Unable to Complete	Remaining
Fyfield	Complete	154	141	13	0
Kimpton	Complete	111	96	15	0
Thruxton	In progress	230	211	19	0
Weyhill	Not started	5	5	0	0
East Cholderton	Complete	64	60	4	0
	total	564	513	51	

Kimpton Tubogel

	Pipes for Tubogel	Complete	Unable to Complete	Remaining
Number	113	106	7	0
Length (m)	1,344.70	1,248.15	96.55	0



11 weeks for Fyfield
 15 weeks for Thruxton
 3 weeks for East Cholderton

Public Sewer Sealing

54 sections or 2.6km of sewer – in the area

16 sections or 700m put forward from Electroscan

Scheduled in for May 2023

Wetland

