



PPPF/SW Quarterly Meeting



Southern
Water® 

Agenda



1. Welcome & Intro from Nick Mills, SW Environment & Innovation Director and Chris Harris, PPPF Chair
2. Review of the catchment and SW's outstanding issues for PPPF (Keith Herbert, SW Pathfinder Lead plus others)

Monitoring/ results and implications in the catchment for 2025

3. Operational update

Manor Farm / Mill Lane

Verge repairs

Belly at Poplar Farm

Outstanding lining of Monxton High Street and removal of 'vein'

Plan and start date for replacement of Anna Valley rising main

3. Regular communication with SW

4. Report on AMP8 and SW's development strategy going forward in PPPF and neighbouring catchments (NM plus others)

statement on broadening remit of this meeting?

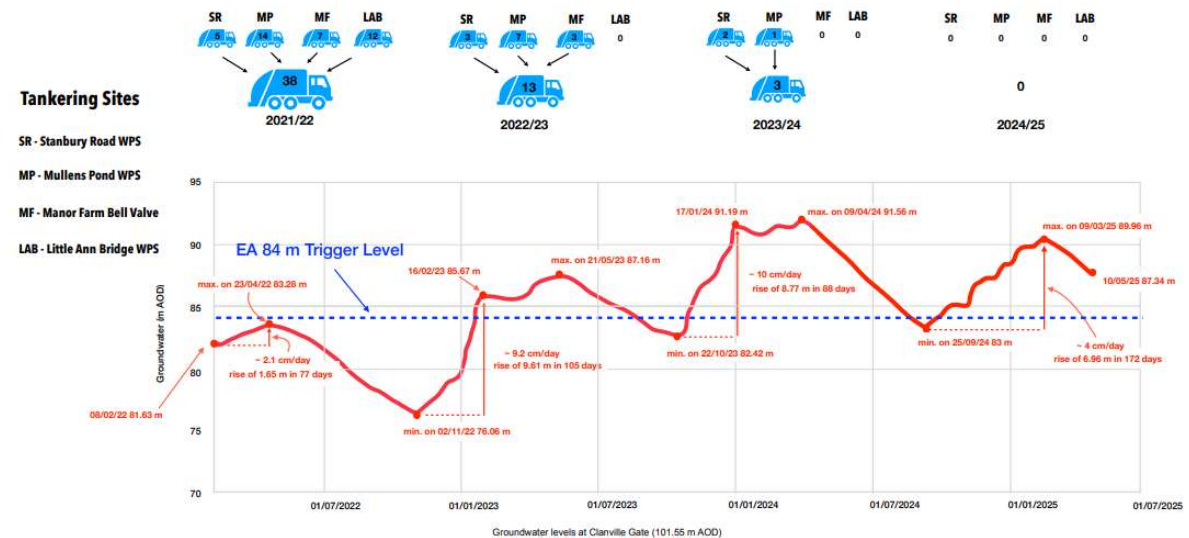
5. Ecology sampling results (JW, Pillhill Brook Association)

6. HCC Flood and Water Community Tackle Fund and associated projects - potential candidates for funding (Gareth Baskif

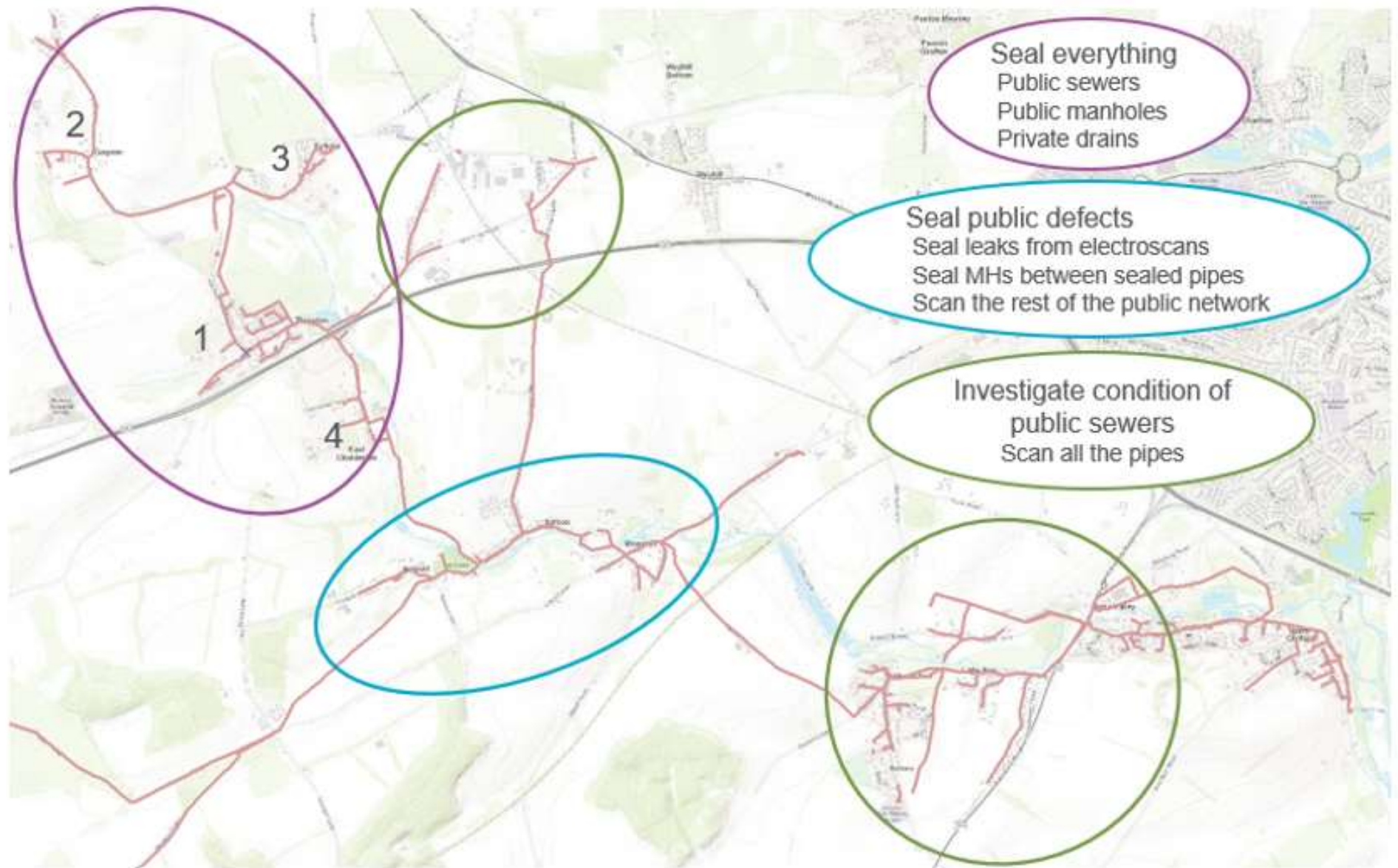
Objective and re-brief for new members



Pillhill Pan Parish 4 yr Reduction in Tanker Deployment



Protect the environment and stop the disruption



Seal Everything

Thruxton, 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 Thruxton 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.

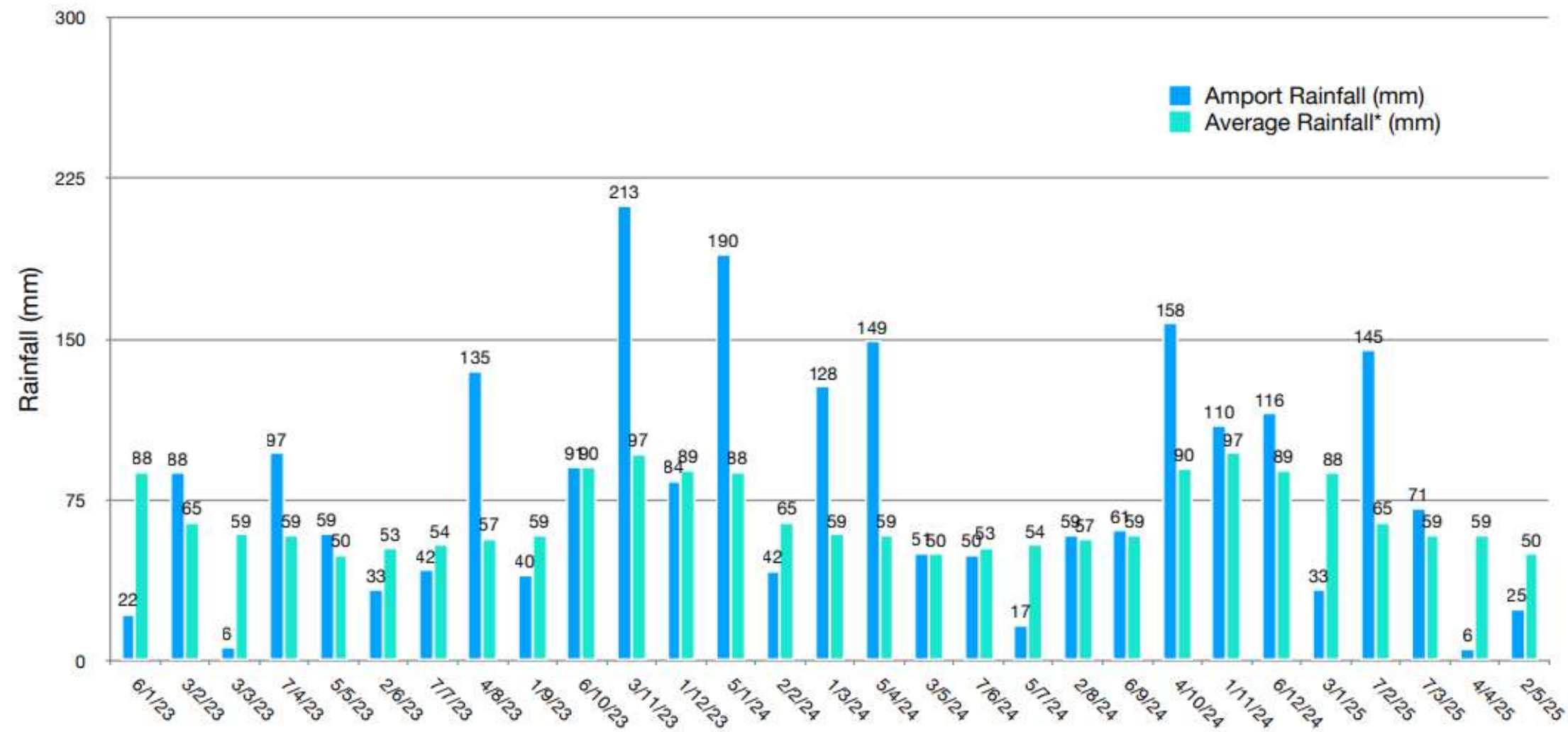
Scope: Observation boreholes and improved groundwater model

Temperature sensing

AMP cycle electro scan programme

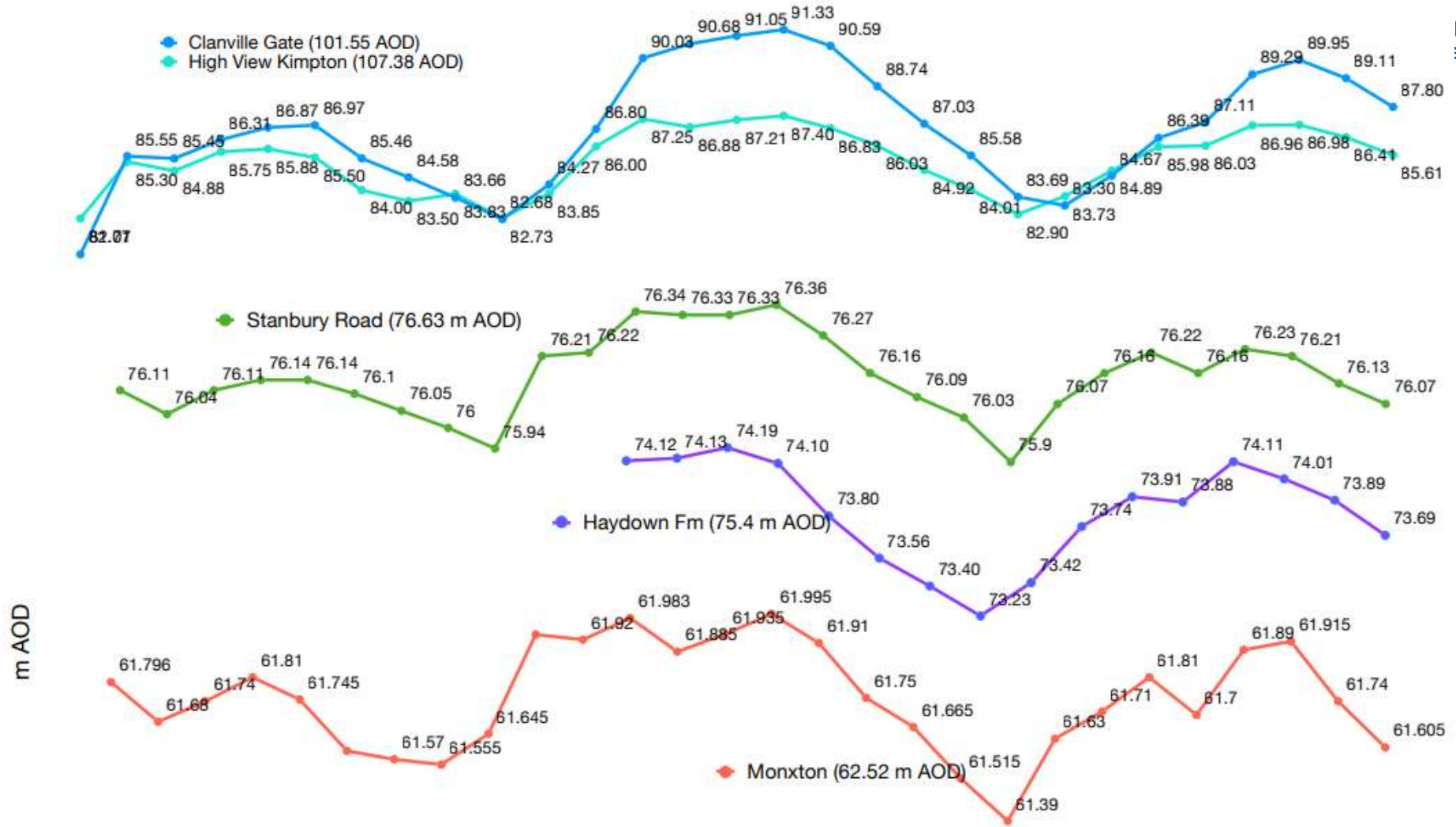
Aspiration: Monitoring in place for Nov '22.

Area	Action	How many	Specifics	When	RA
Pan Parish	Tubogel	Kimpton Fyfield E. Chold Thruxton Total	97/113 props 795/955m 128/146 props 1027/1187m 19/21 props 196/206m 57/178 props 439/1501m 301/458 props 2457/3849m – 112 props left		
	Public sealing	Kimpton Fyfield Thruxton E. Chold Weyhill Monxton	570m 632m 1125m 39m 0 175m		
	Inspection cover sealing	120/134			
	GW level peaked at 91.5. Tankers stopped at 90.6 Vs trigger of 84m Total 4998m of sealing works. Ofwat target 5-7km				

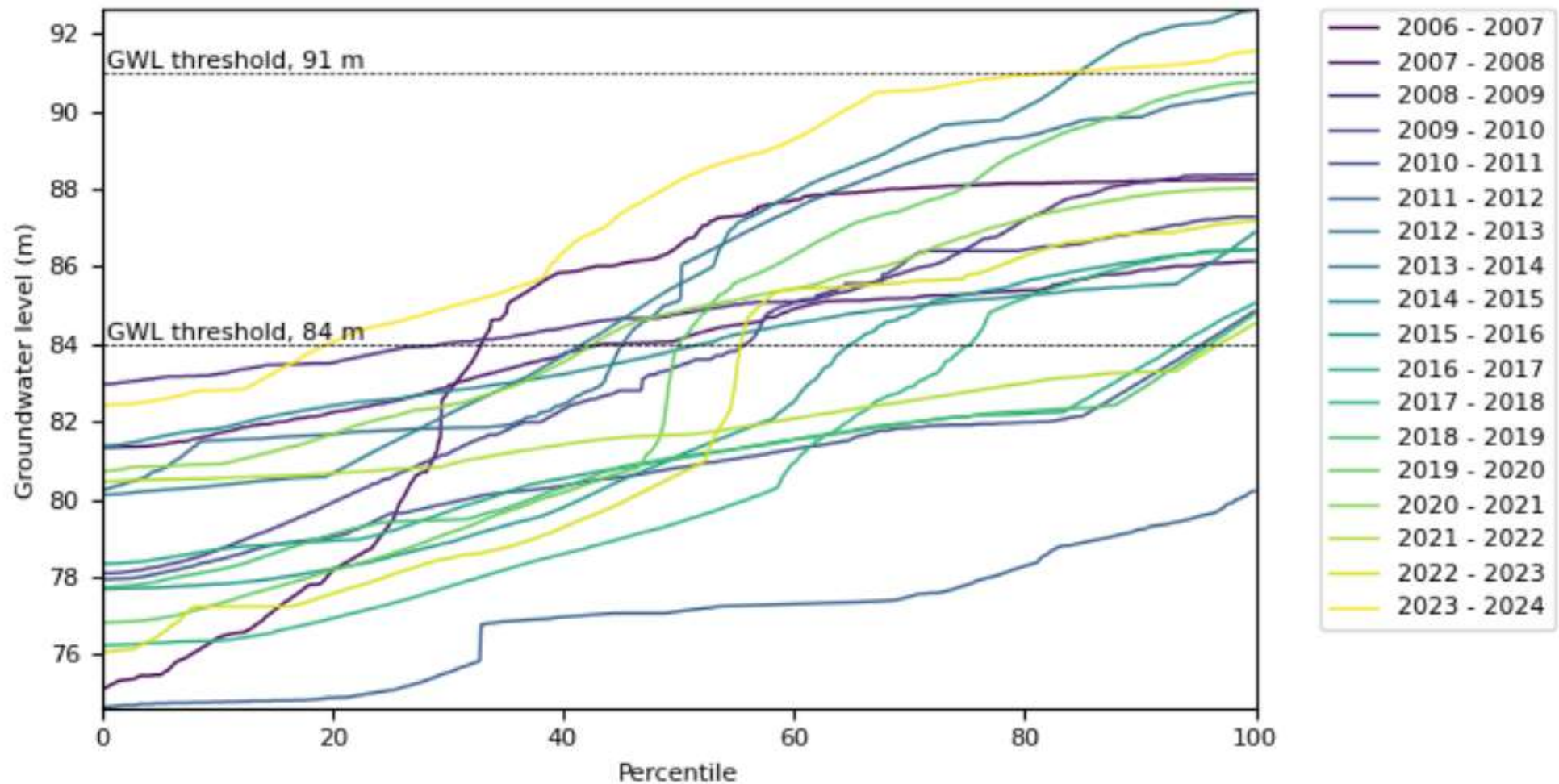


* Met Office Average Rainfall data 1991 - 2020 for Middle Wallop

Pan Parish Catchment Groundwater Levels (m AOD) as of 2 May 2025



Groundwater level distributions at Clanville Gate

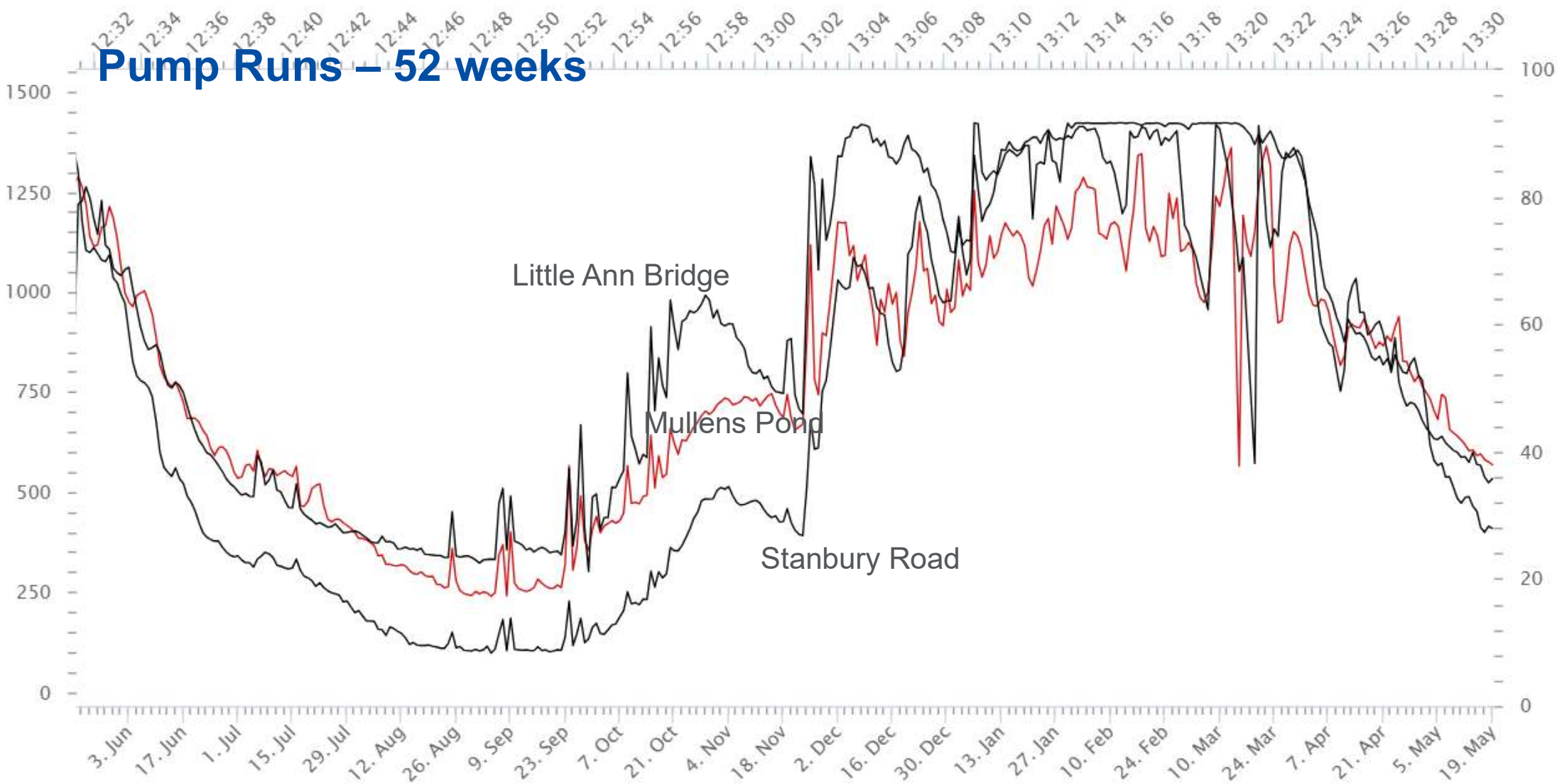


Groundwater level data range: 01-06-2006 - 01-07-2024

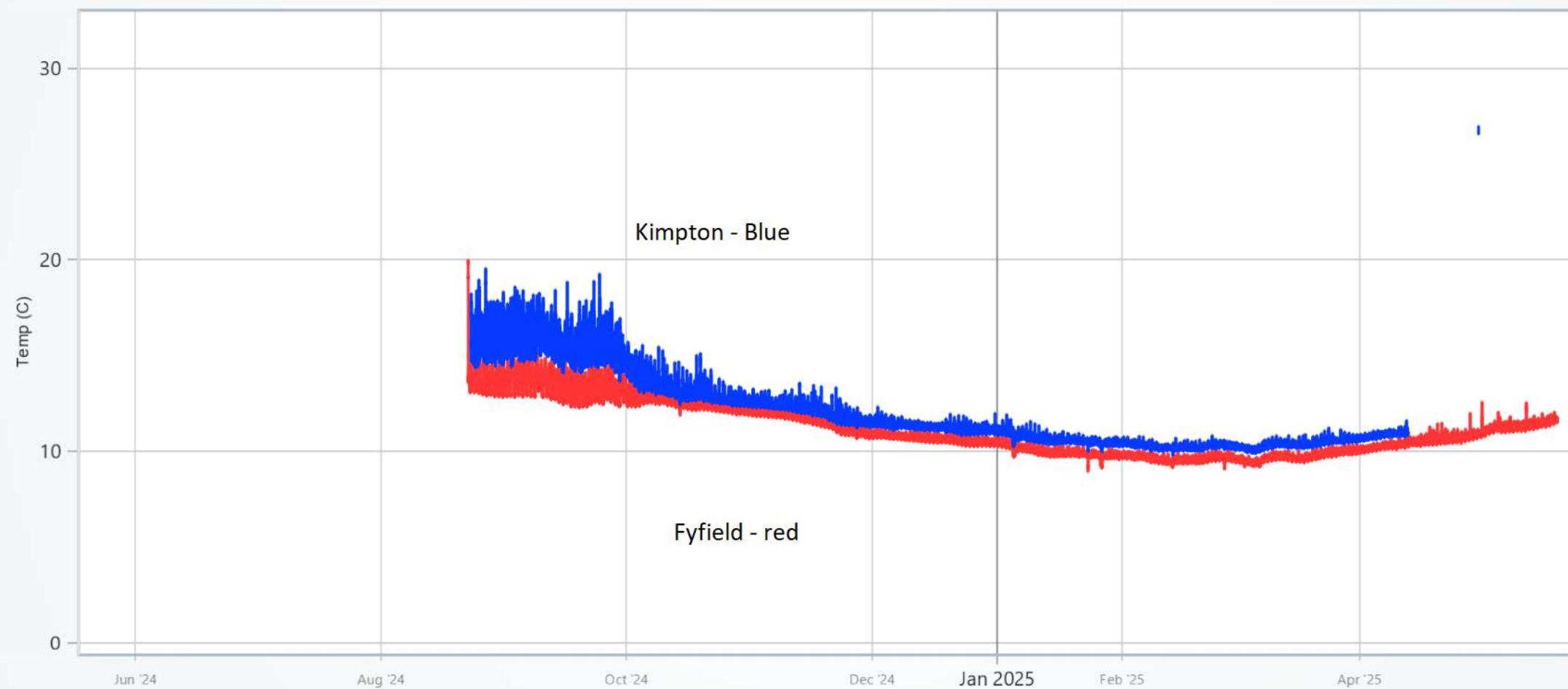
The time ranges cover the period from 1 July in the start year to 30 June in the end year

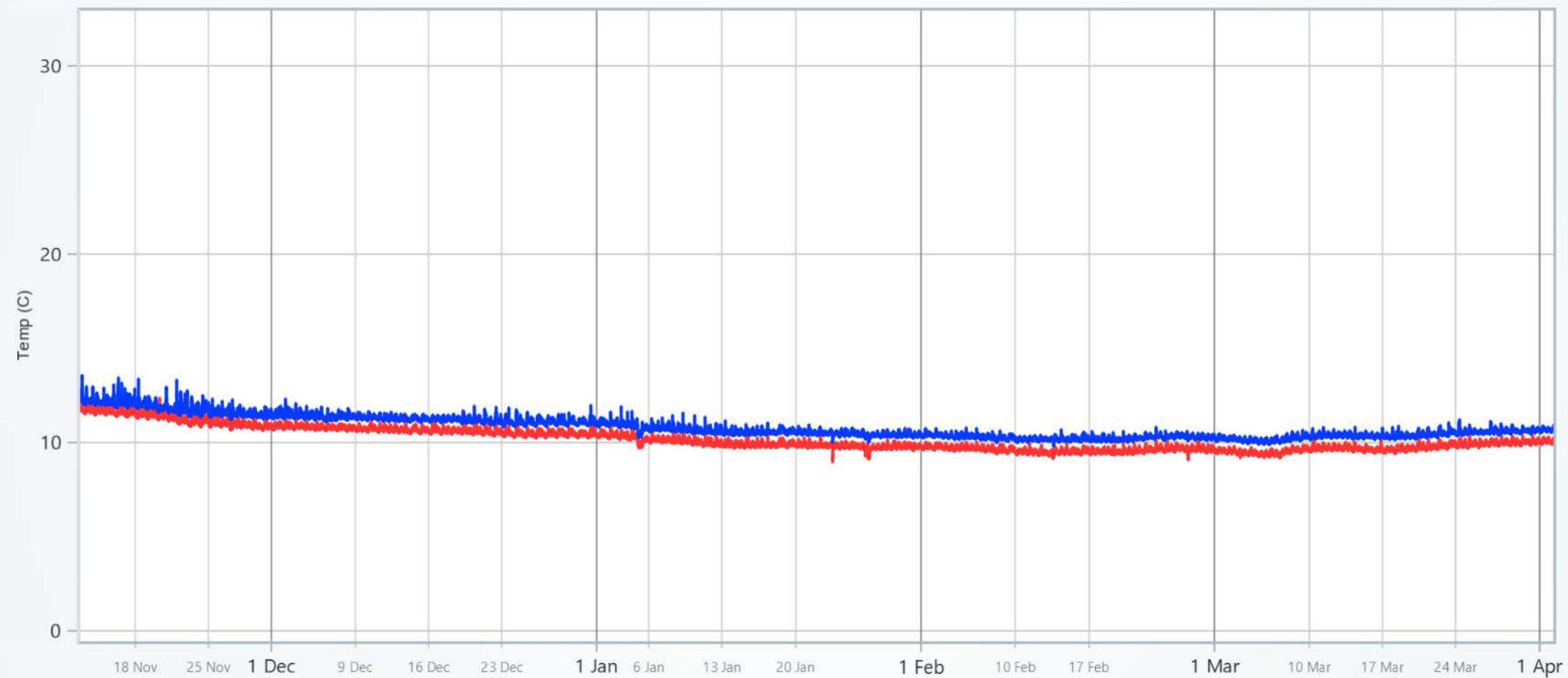
Mon May 19 2025

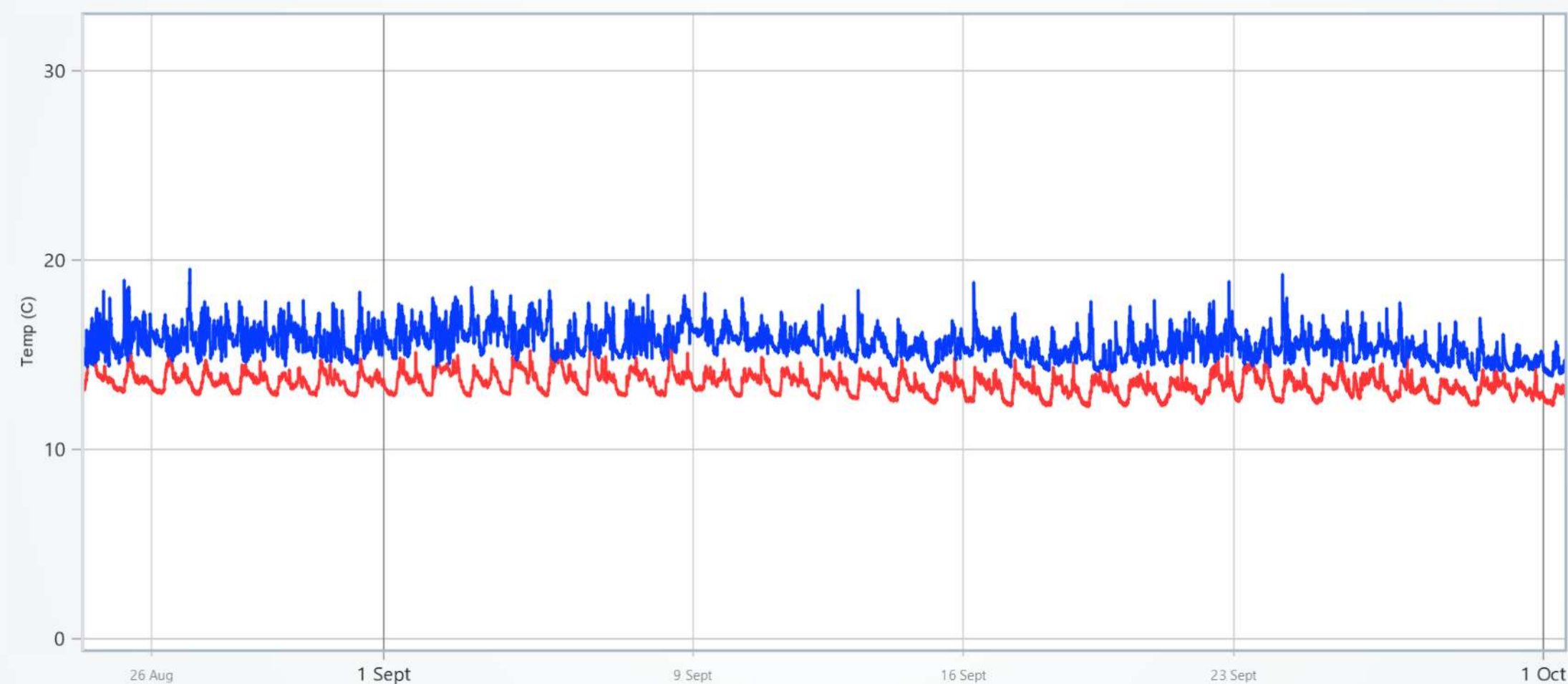
Pump Runs – 52 weeks

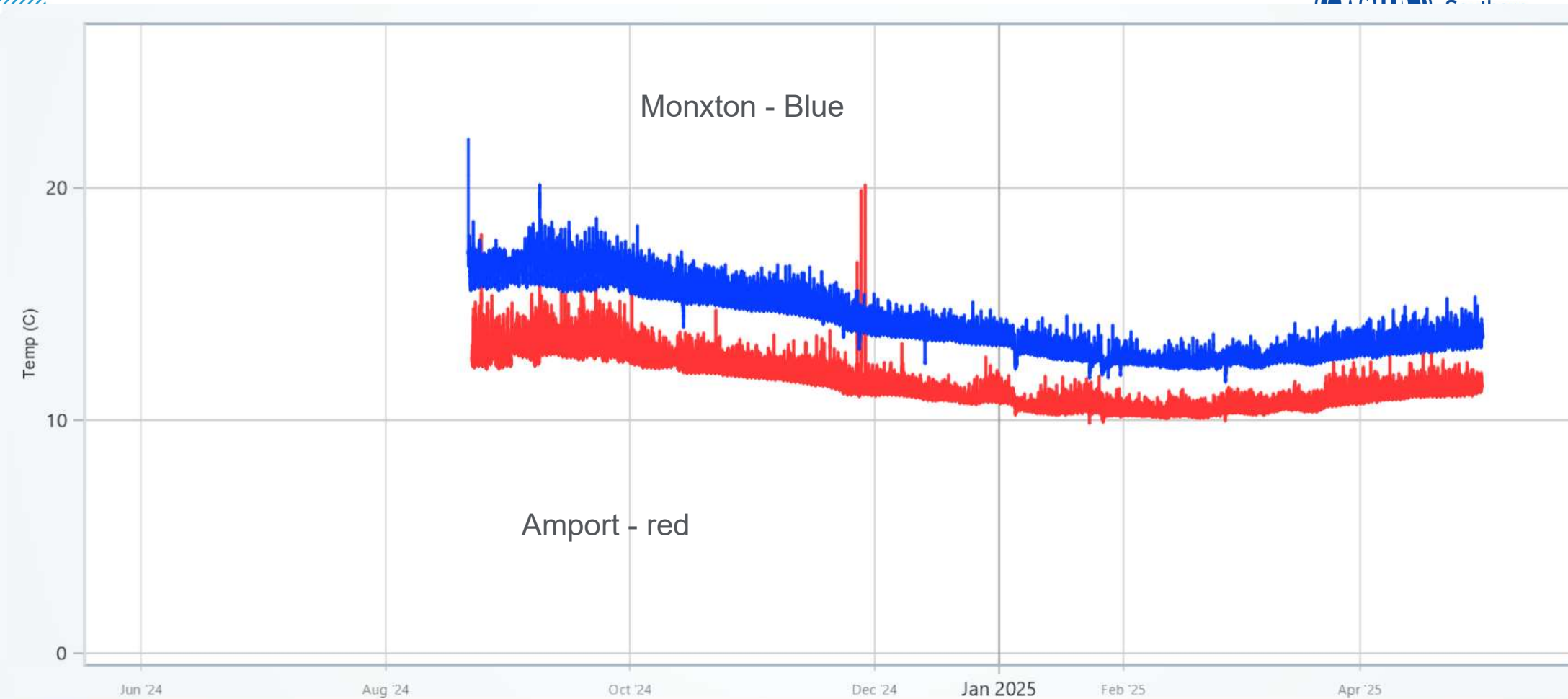


Mon May 20 2024

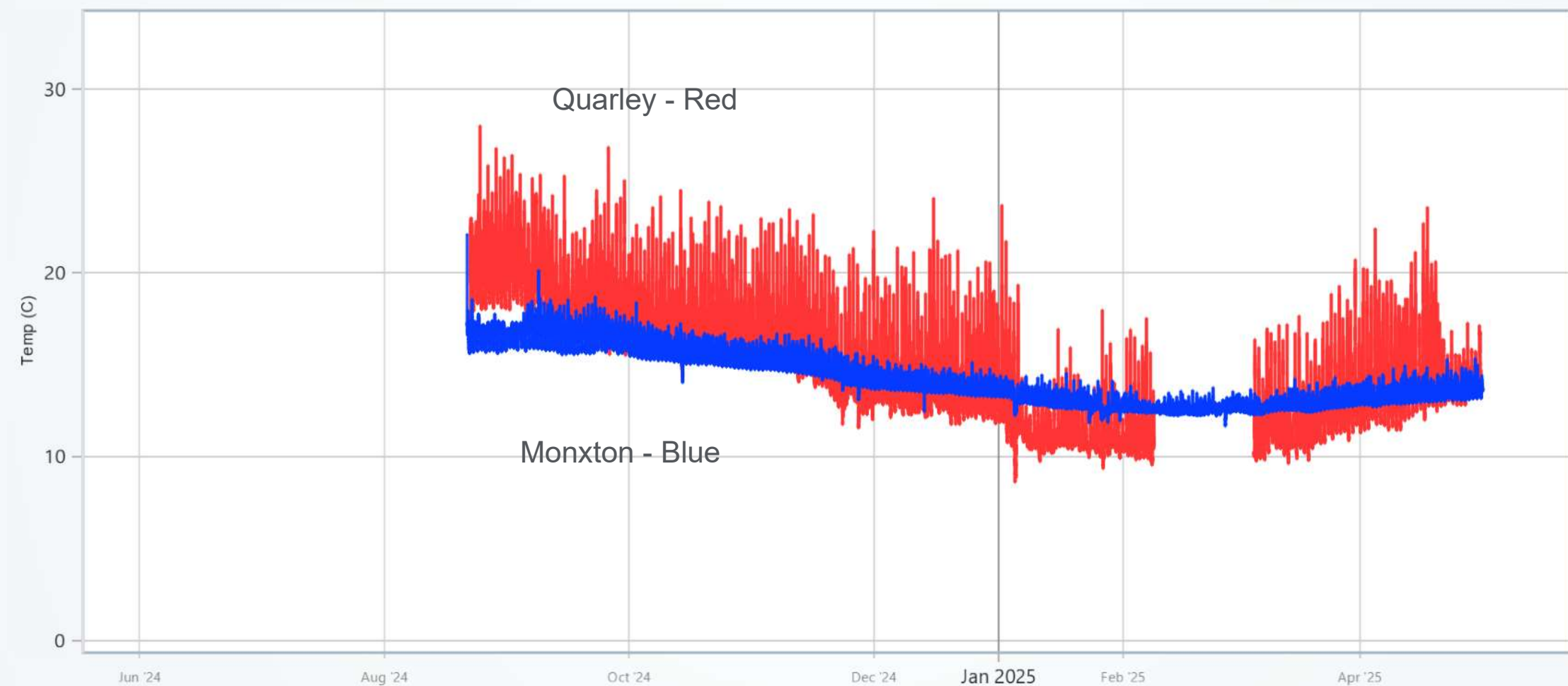


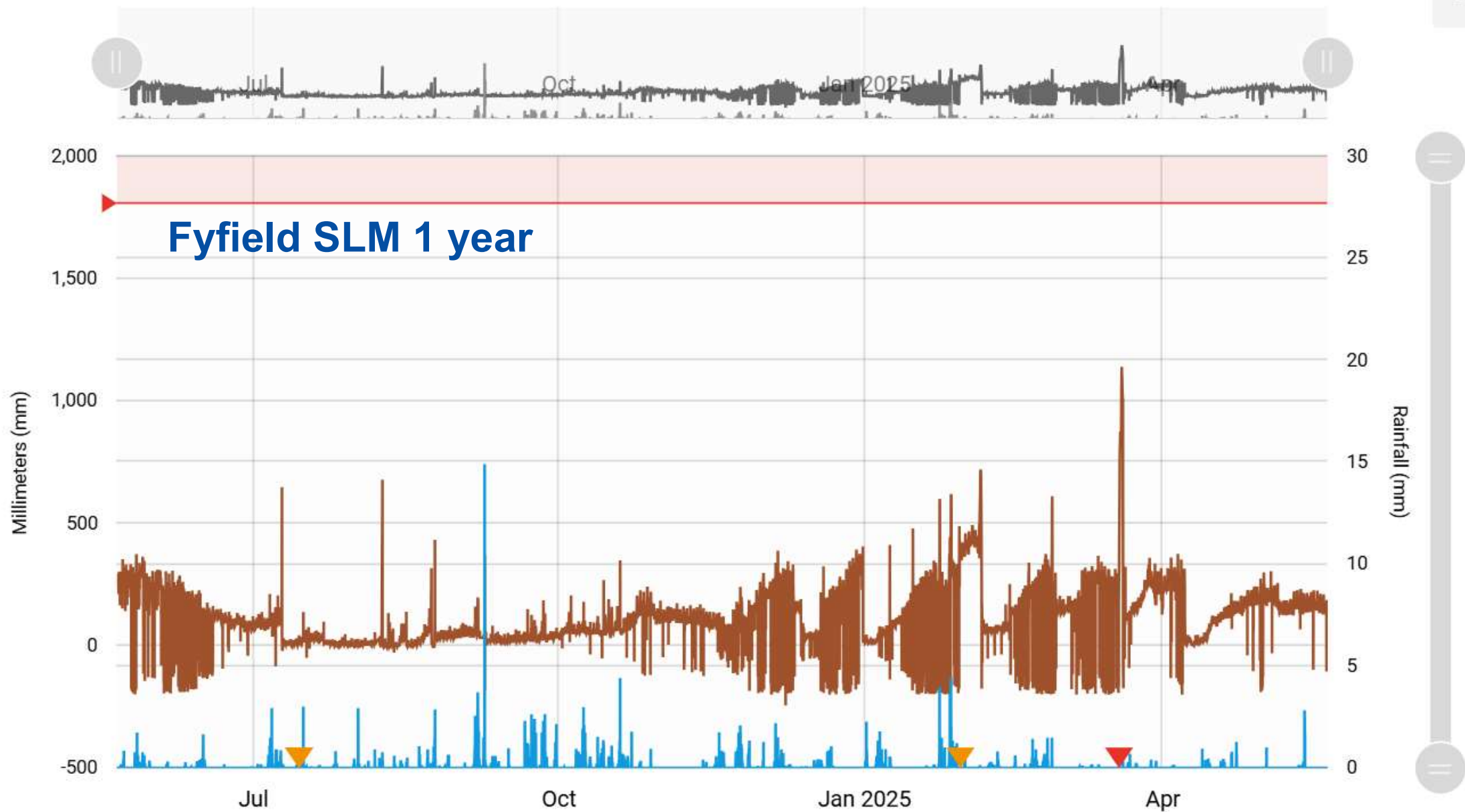




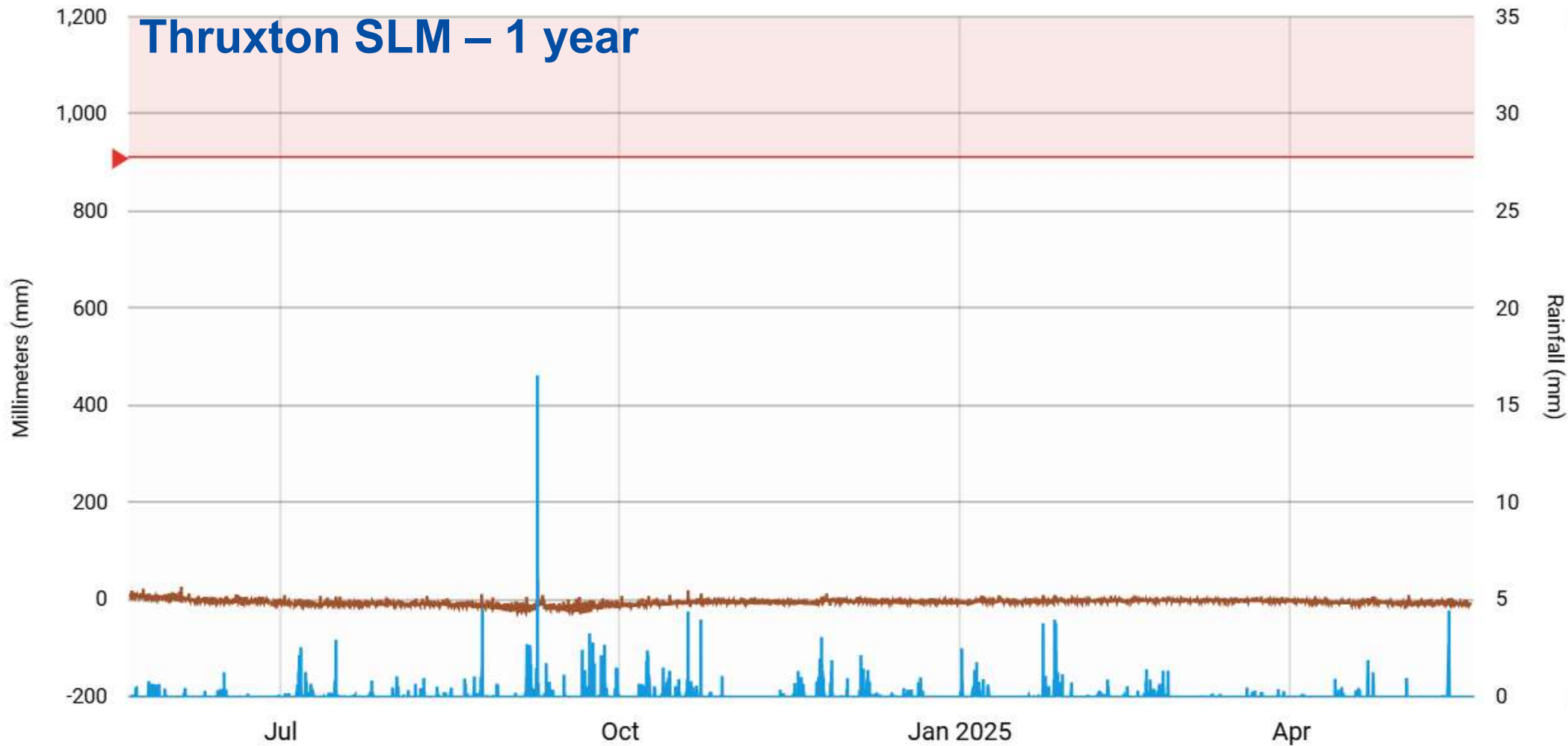


Vs Control

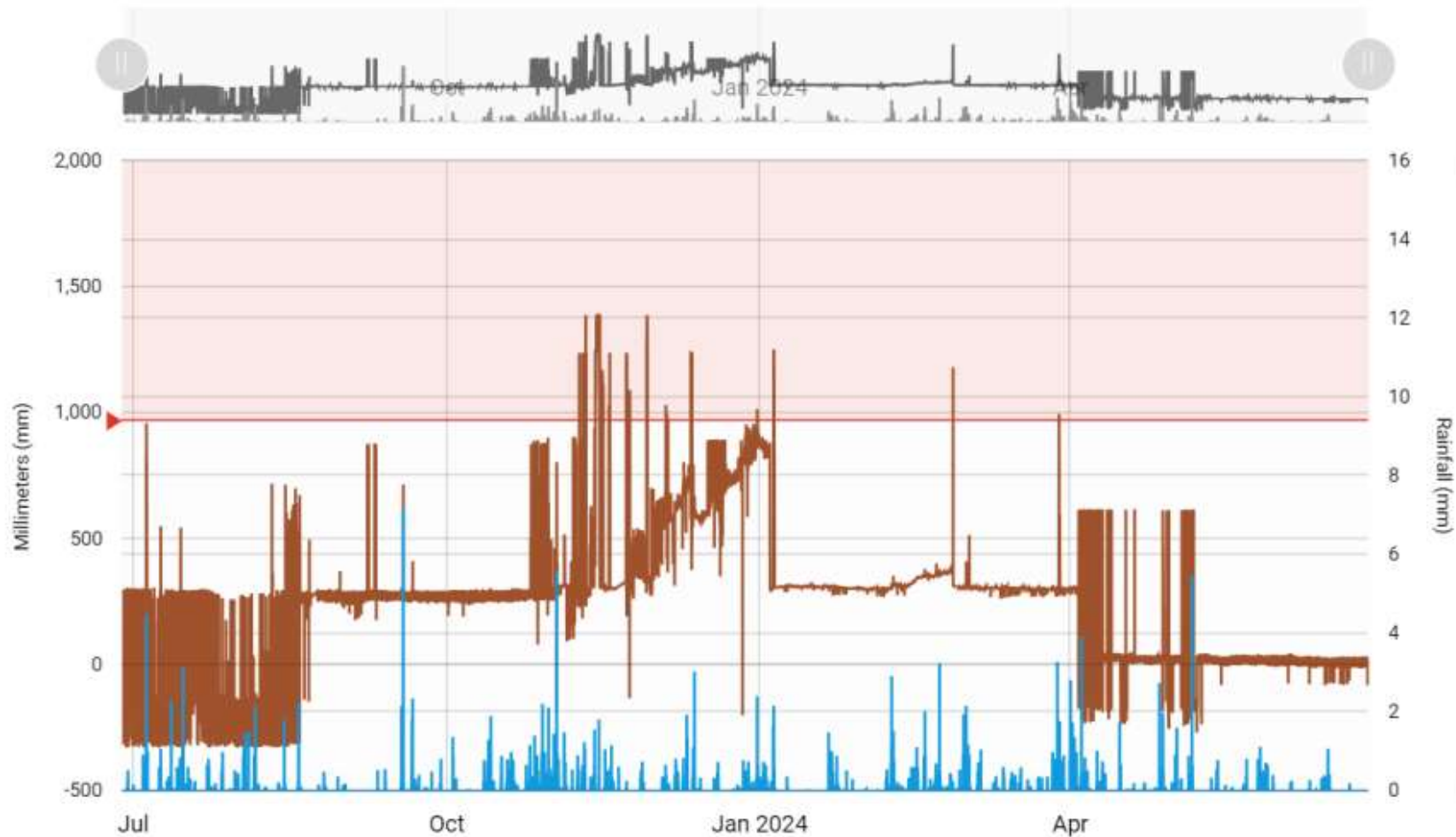




Thruxton SLM – 1 year



Village Street Thruxton SLM July 23 – June 24

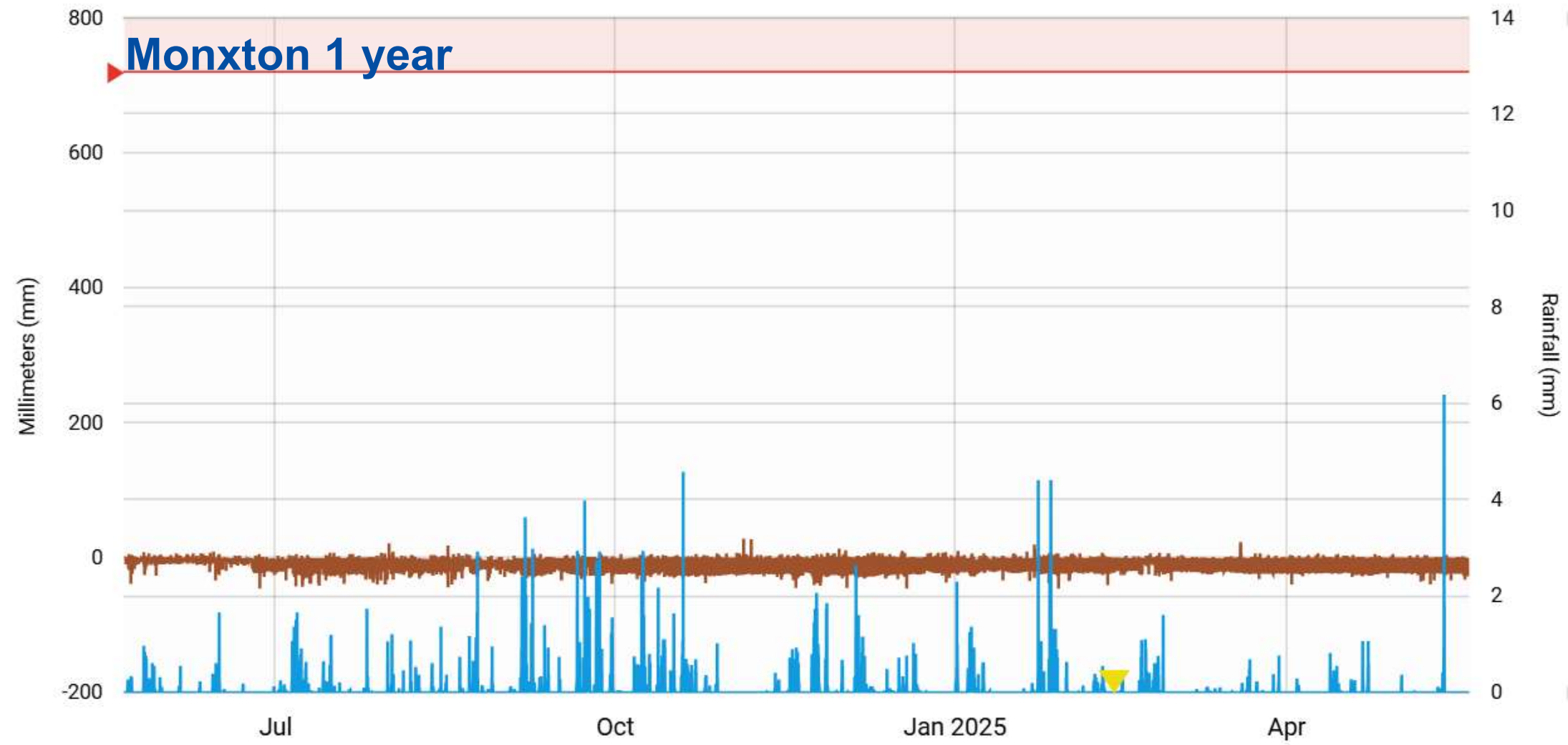


Village street thruxton – 3 months





Monxton 1 year



Millimeters (mm)

Rainfall (mm)

Conclusions

- Sealing project was successful and made a huge difference to the resilience of the network.
- Many technical/industry learnings.
 - Private network just as bad as public
 - Many elaborate investigation techniques aren't that effective
 - Sealing is easier to target during groundwater season
 - Spend to save benefit is significant with very short payback durations

Pan Parish (Fullerton Wastewater Catchment) AMP 8

Investment Plan: April 2025 – March 2030

Project	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Little Ann Bridge Rising Main Renewal					
Infiltration Reduction - Appleshaw and Penton Mewsey					
Infiltration Reduction - Goodworth Clatford					

Project Manager: Carolin Till



Operational Updates

May 2025

from
**Southern
Water** 

Ongoing maintenance

- All regular jetting has now stopped
 - Exercising of the Little Ann Valve has now stopped
 - Physical Catchment monitoring has now stopped
 - Daily SLM monitoring continues
-
- No regular tanker requirement



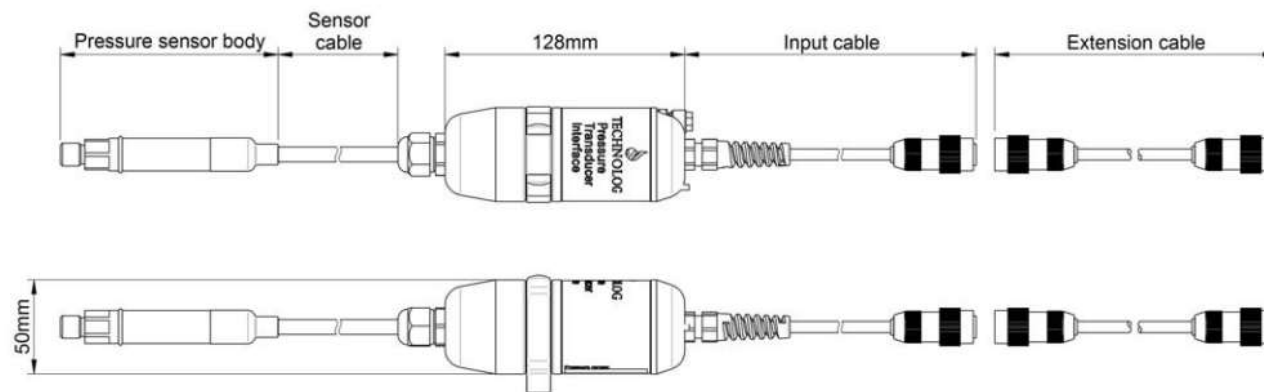
Furzedown, Lane Amport WPS

Reinstatement work



Pressure Sensor - Manor Farm

Approved – installation date TBC



Mill Lane Valve Automation

Initial scopes completed, quoting currently

ambipar[®]
GROUP

LGW
TOTAL CIVIL ENGINEERING



Little Ann Jetting

Suspected pipe defect (belly) in Sewer



Inbound calls – ‘Groundwater’

■ AMP 8

Development team for new Waterworx system, this amendment request will be reviewed and prioritised along with other requests for the 2.0 development improvements. The aim being to create a system-based provision to alert Flow Management Solutions to reactive work in groundwater areas.

