

# PPPF/SW Quarterly Meeting



# Agenda

- 1. Welcome & Intro from Nick Mills, SW Environment & Innovation Director and Chris Harris, PPPF Chair
- 2. Re-brief of objectives to new members (Keith Herbert, SW Pathfinder Lead)
- 3. Monitoring update and state of the nation (KH)
- 4. Programme update (KH)
  - i. Tubogel
  - ii. Manhole sealing
  - iii. public sealing
- 5. Results, next steps and AMP8 (KH)
- 6. Flow restoration update (Scott Howe)
- 7. Groundwater strategy and preparedness (Floyd Cooper)
- 8. Treatment updates (FC)
- 9. Ecology survey and sampling results (FC/JW)
- 10. Mill Lane Valve update (SH/SW Asset management)
- 11. Lay-by update (SH)
- 12. HCC Flood and Water Community Toolkit and preparedness (Sarah Reghif, HCC Flood & Water Management/PPPF)
- 13. EA Issues? (PPPF)
- 14. Wider Pan Parish Communications (led by PPPF)
- 15. Outstanding actions
- 16. AOB

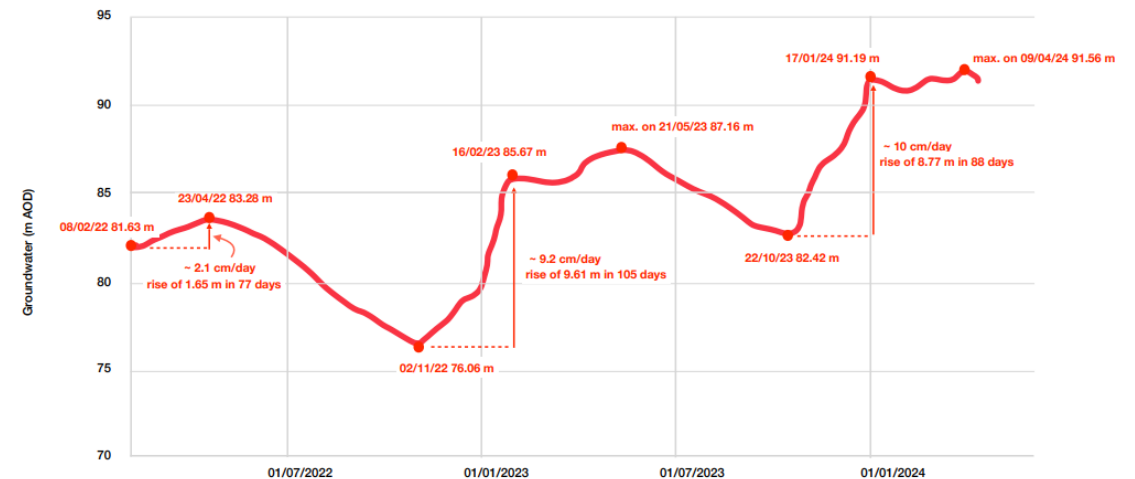
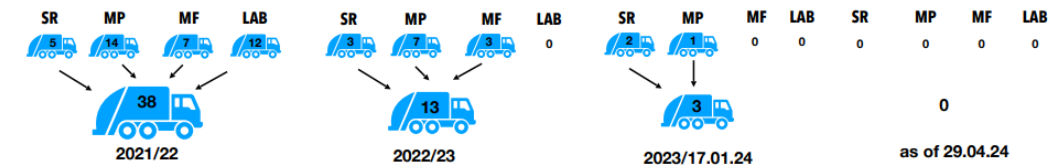
# Objective and re-brief for new members



## Tankering Sites

SR - Stanbury Road WPS  
MP - Mullens Pond WPS  
MF - Manor Farm Bell Valve  
LAB - Little Ann Bridge WPS

## Pillhill Pan Parish 3 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)

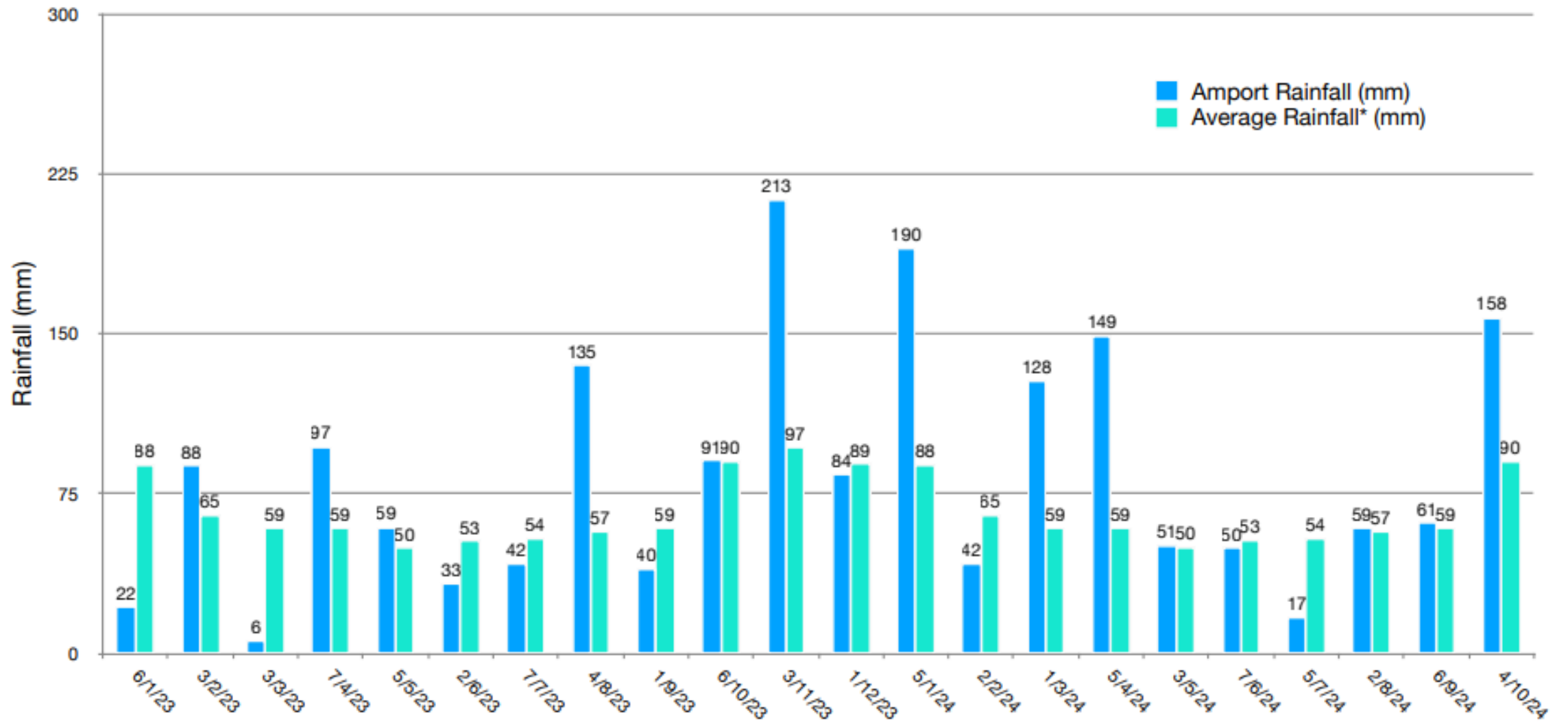
### **Monitoring**

*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.



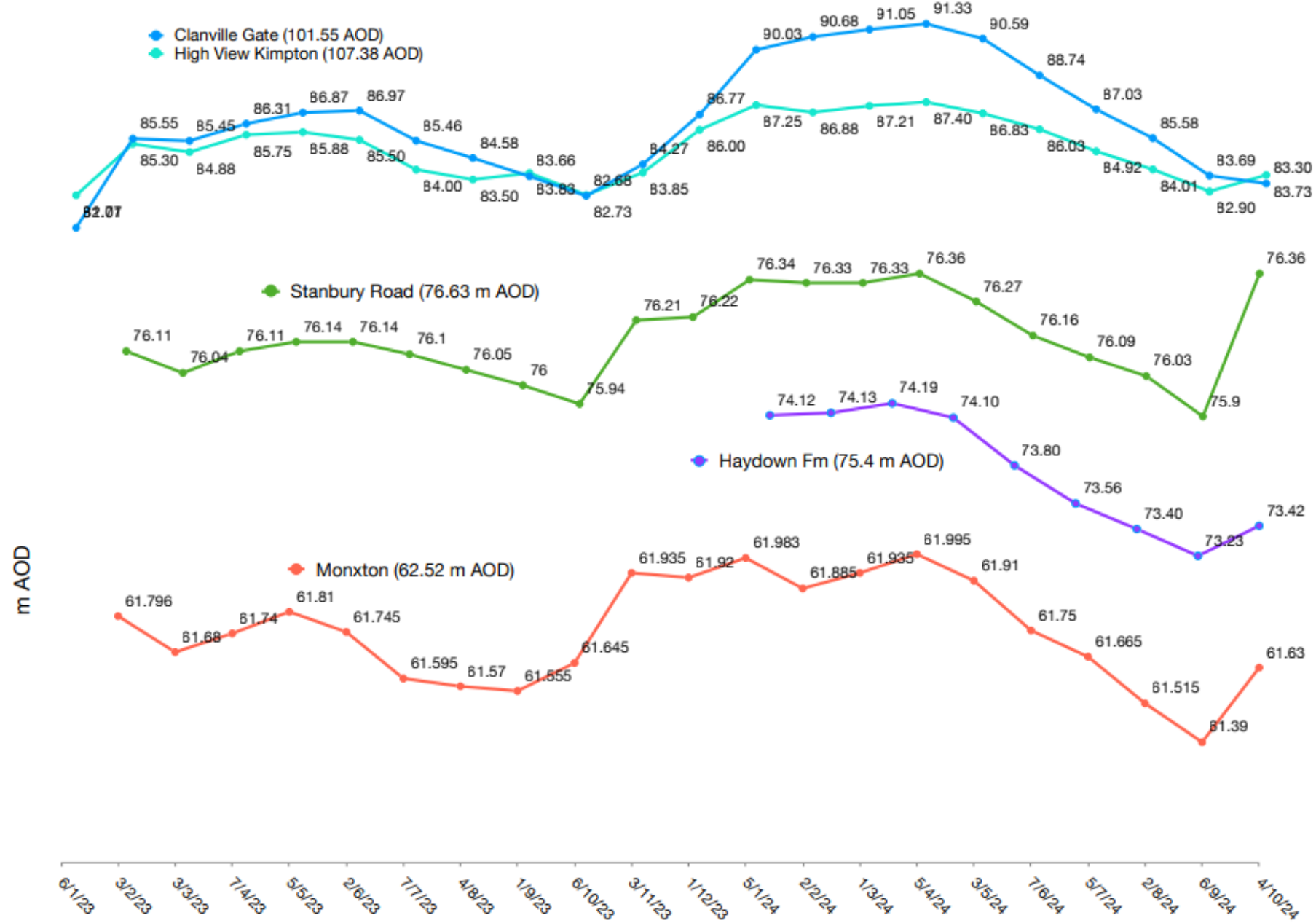
\* Met Office Average Rainfall data 1991 - 2020 for Middle Wallop

## 2023/24 GW levels (m AOD or Above Sea Level)

Week	Amport Rainfall (mm)	Average Rainfall* (mm)	Clanville Gate* (101.55 AOD)	High View Kimpton (107.38 AOD)	Stanbury Road (76.63 m AOD)	Haydown Fm (75.4 m AOD)	Monxton (62.52 m AOD)
6/1/23	22	88	81.07	82.71	-	-	-
3/2/23	88	65	85.55	85.30	76.11	-	61.80
3/3/23	6	59	85.45	84.88	76.04	-	61.68
7/4/23	97	59	86.31	85.75	76.11	-	61.74
5/5/23	59	50	86.87	85.88	76.14	-	61.81
2/6/23	33	53	86.97	85.50	76.14	-	61.75
7/7/23	42	54	85.46	84.00	76.10	-	61.60
4/8/23	135	57	84.58	83.50	76.05		61.57
1/9/23	40	59	83.66	83.83	76.00	-	61.56
6/10/23	91	90	82.68	82.73	75.94	-	61.65
3/11/23	213	97	84.27	83.85	76.21		61.94
1/12/23	84	89	86.77	86.00	76.22		61.92
5/1/24	190	88	90.03	87.25	76.34		61.98
2/2/24	42	65	90.68	86.88	76.33	74.12	61.89
1/3/24	128	59	91.05	87.21	76.33	74.13	61.94
5/4/24	149.2	59	91.33	87.40	76.36	74.19	62.00
3/5/24	50.5	50	90.59	86.83	76.27	74.10	61.91
7/6/24	49.5	53	88.74	86.03	76.16	73.80	61.75
5/7/24	16.8	54	87.03	84.92	76.09	73.56	61.67
2/8/24	59.0	57	85.58	84.01	76.03	73.40	61.52
6/9/24	61.1	59	83.69	82.90	75.90	73.23	61.39
4/10/24	157.5	90	83.30	83.73	76.36	73.42	61.63

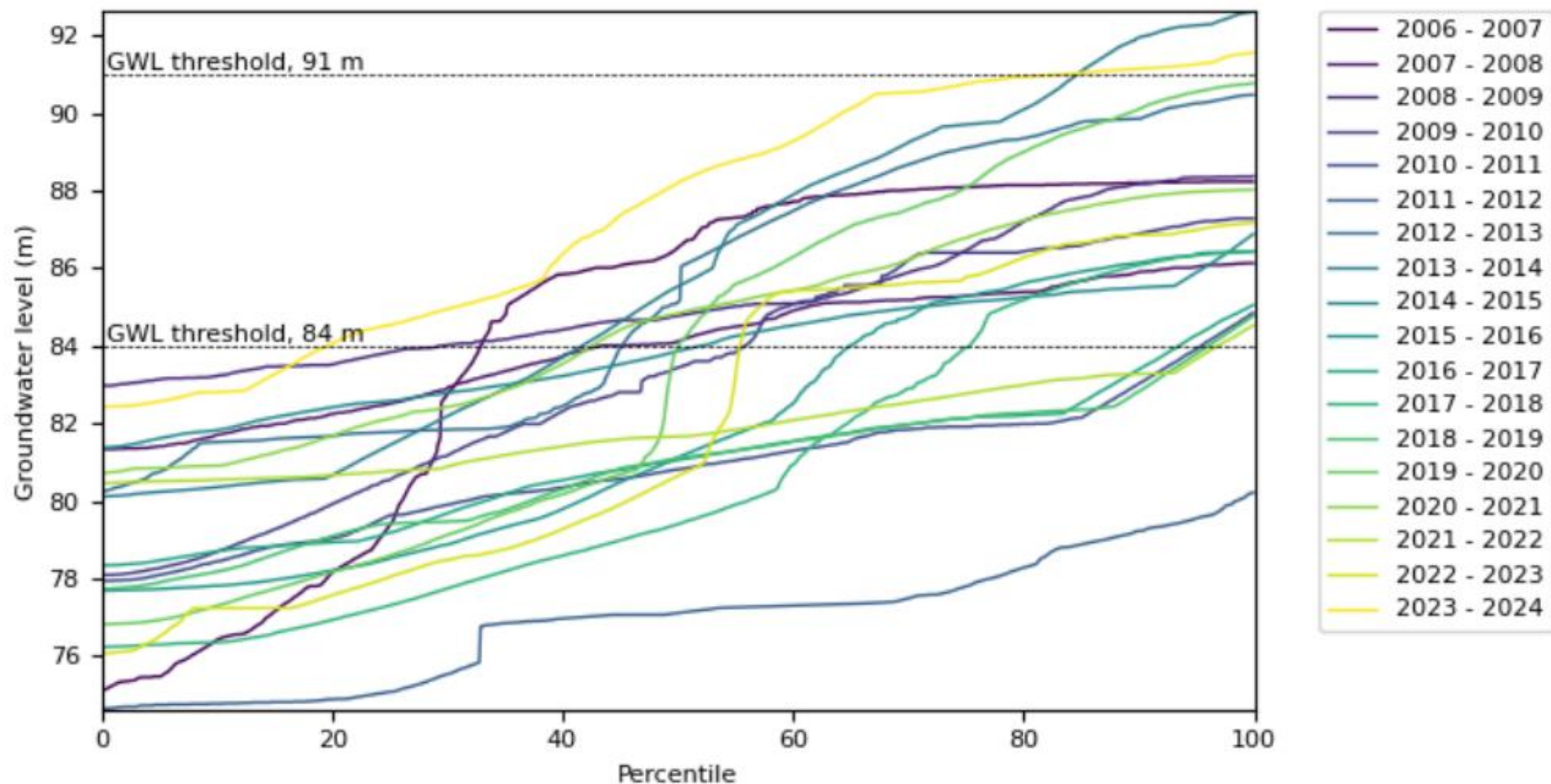


Pan Parish Catchment Groundwater Levels (m AOD) as of 4 October 2024





## Groundwater level distributions at Clanville Gate



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

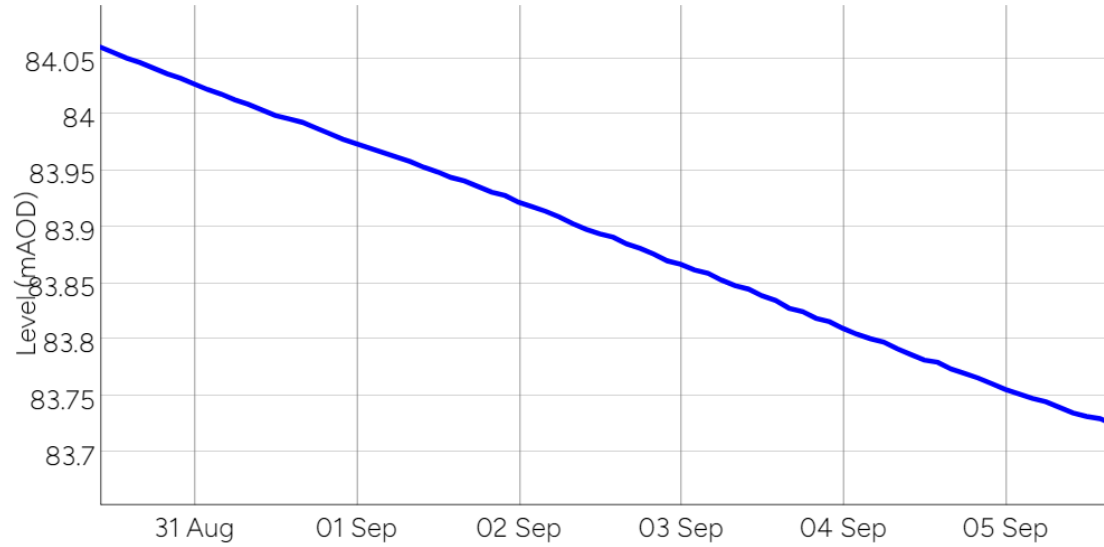
The time ranges cover the period from 1 July in the start year to 30 June in the end year

# Clanville Gate

## Current Status

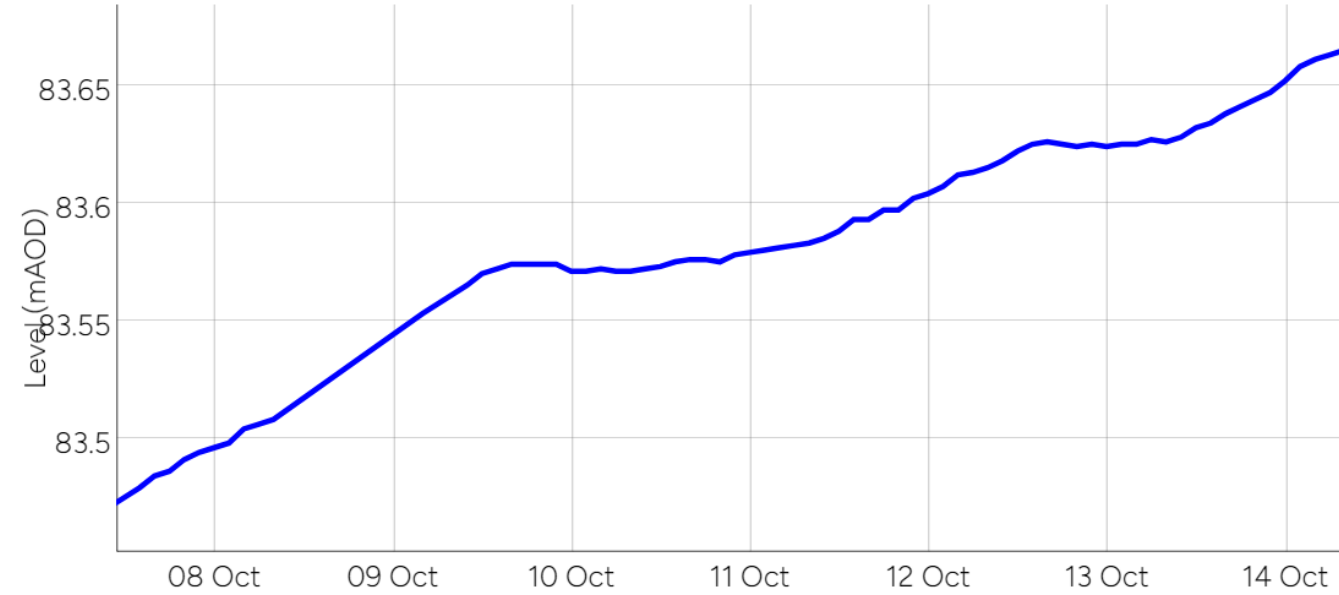
Current Level: 83.69 m

## Last weeks measurements

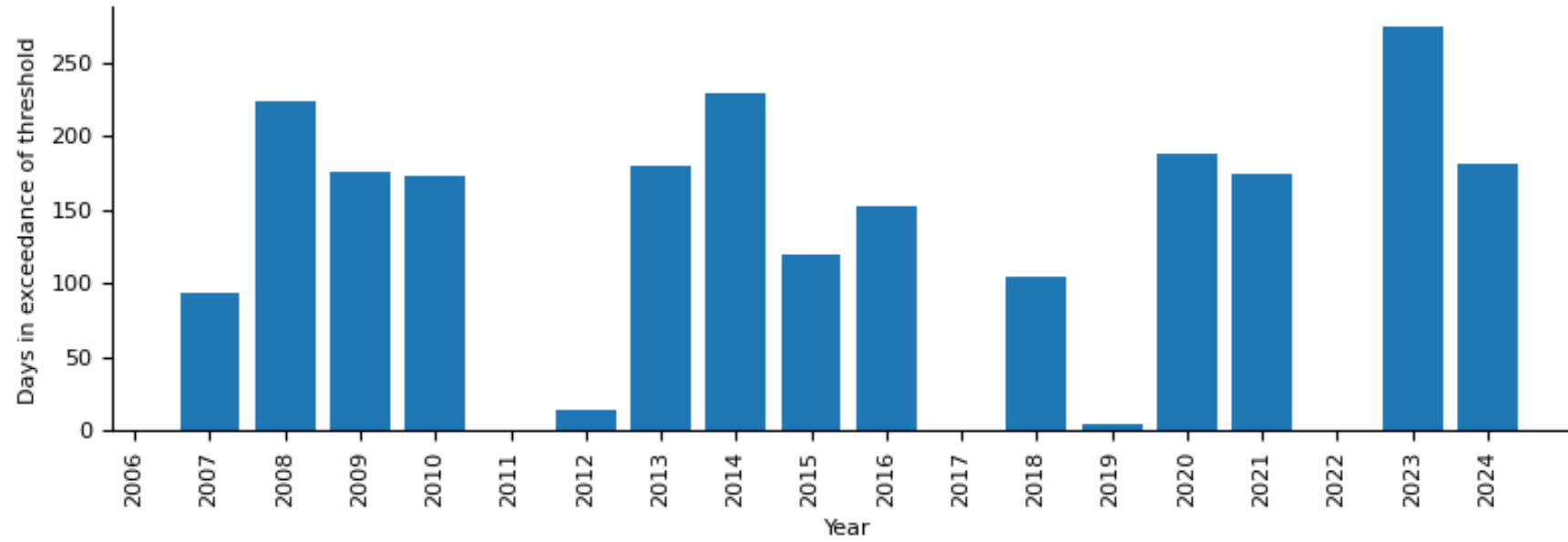


Current Level: 83.66 m

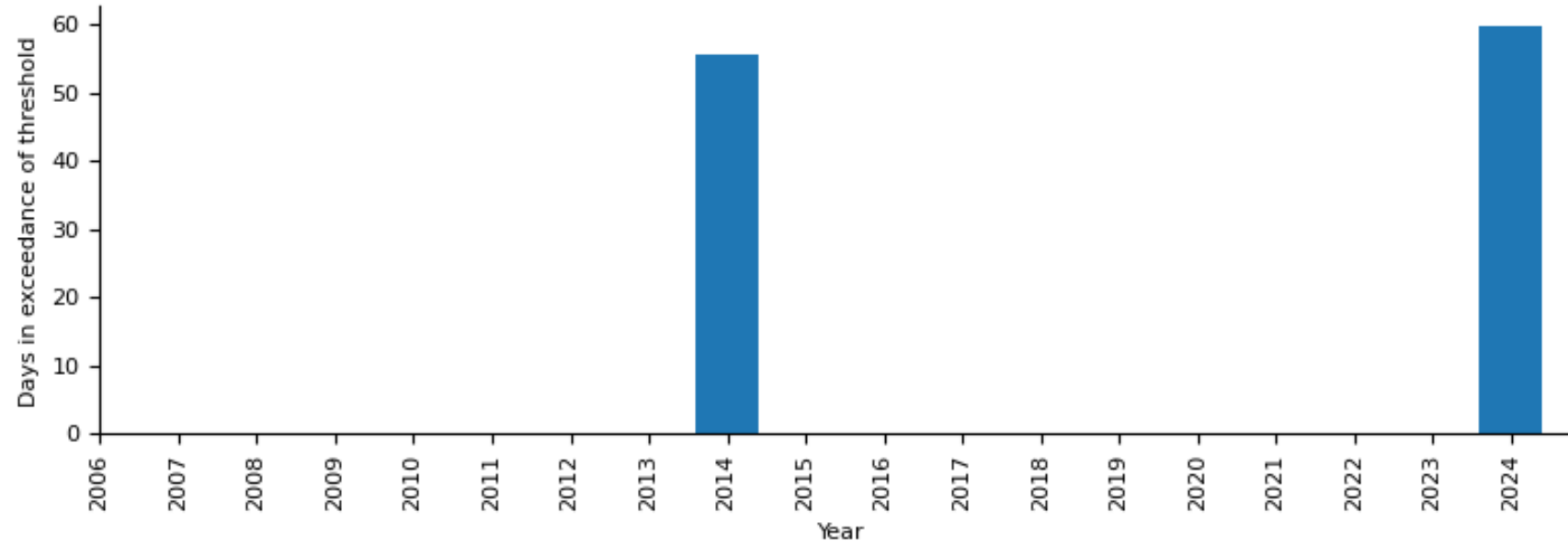
## Last weeks measurements



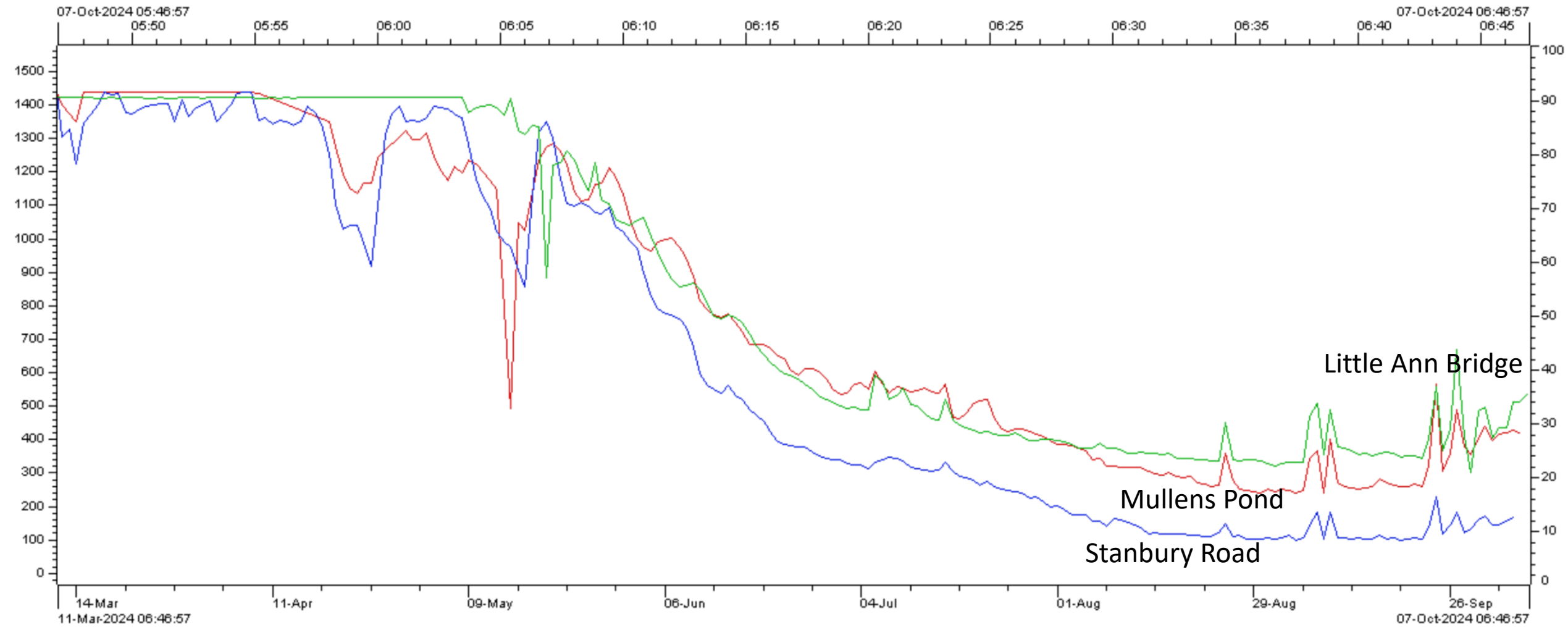
Annual duration exceeding the 84 m GWL threshold



Annual duration exceeding the 91 m GWL threshold

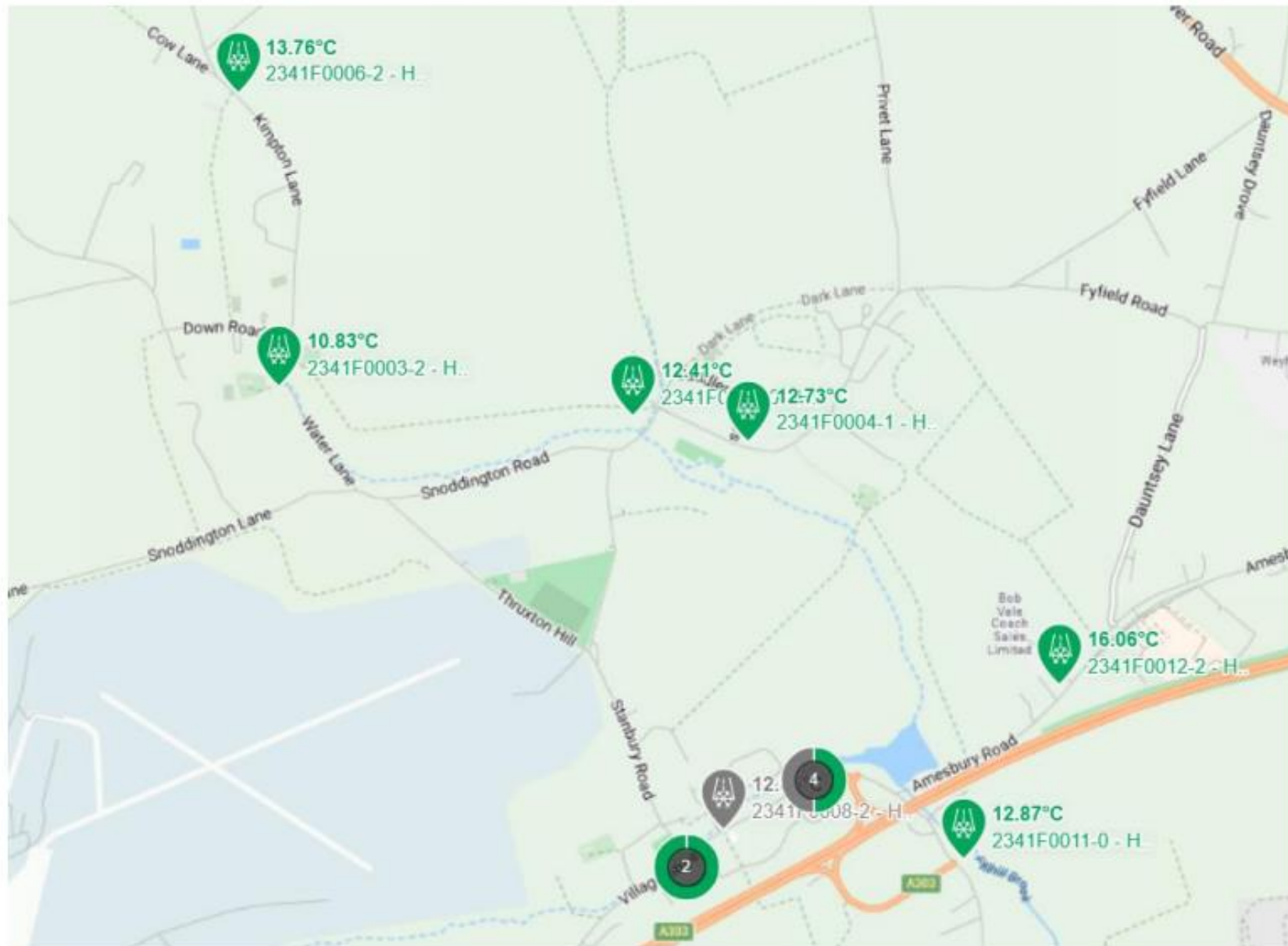


# Pump Runs – 30 weeks

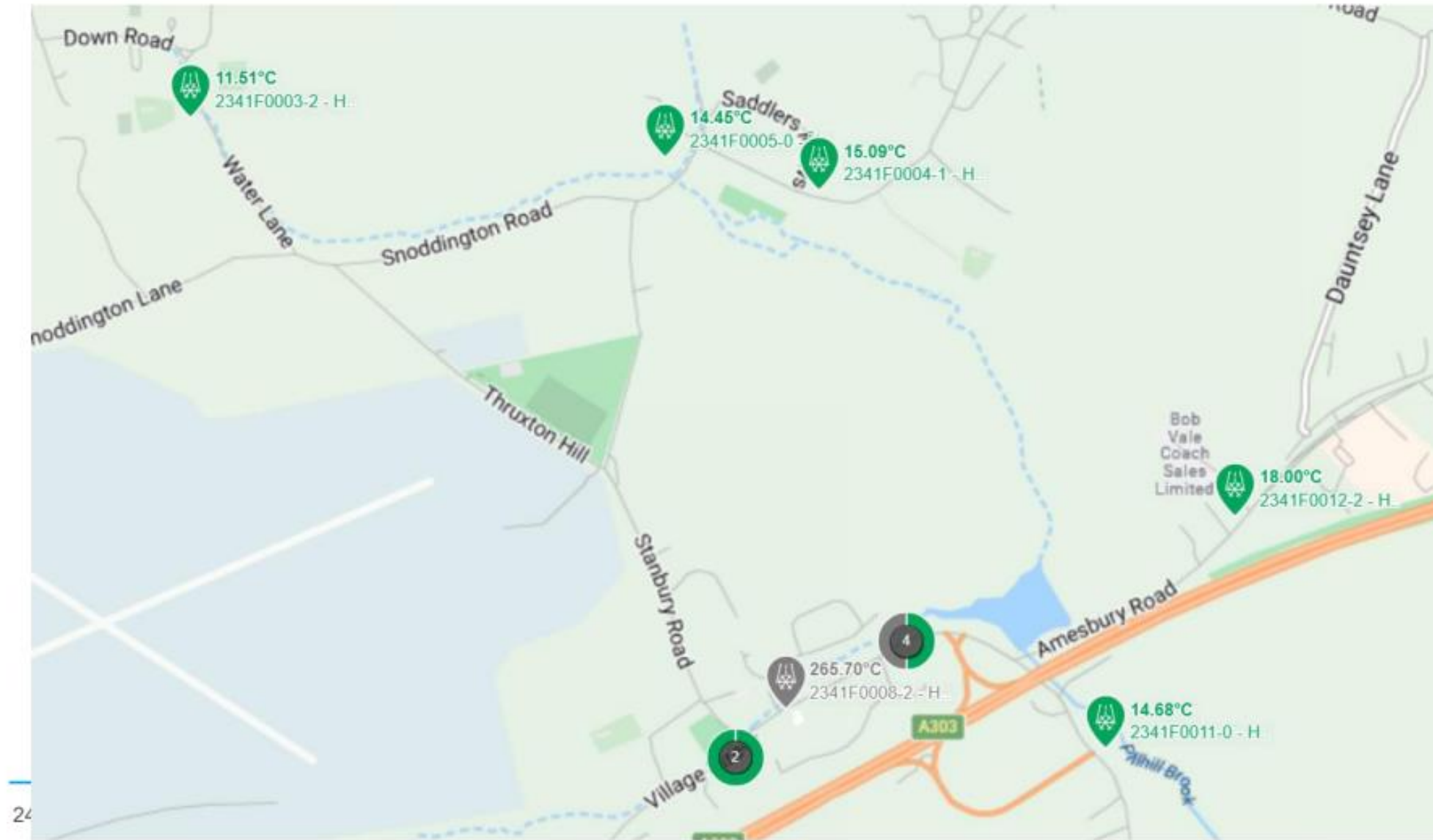




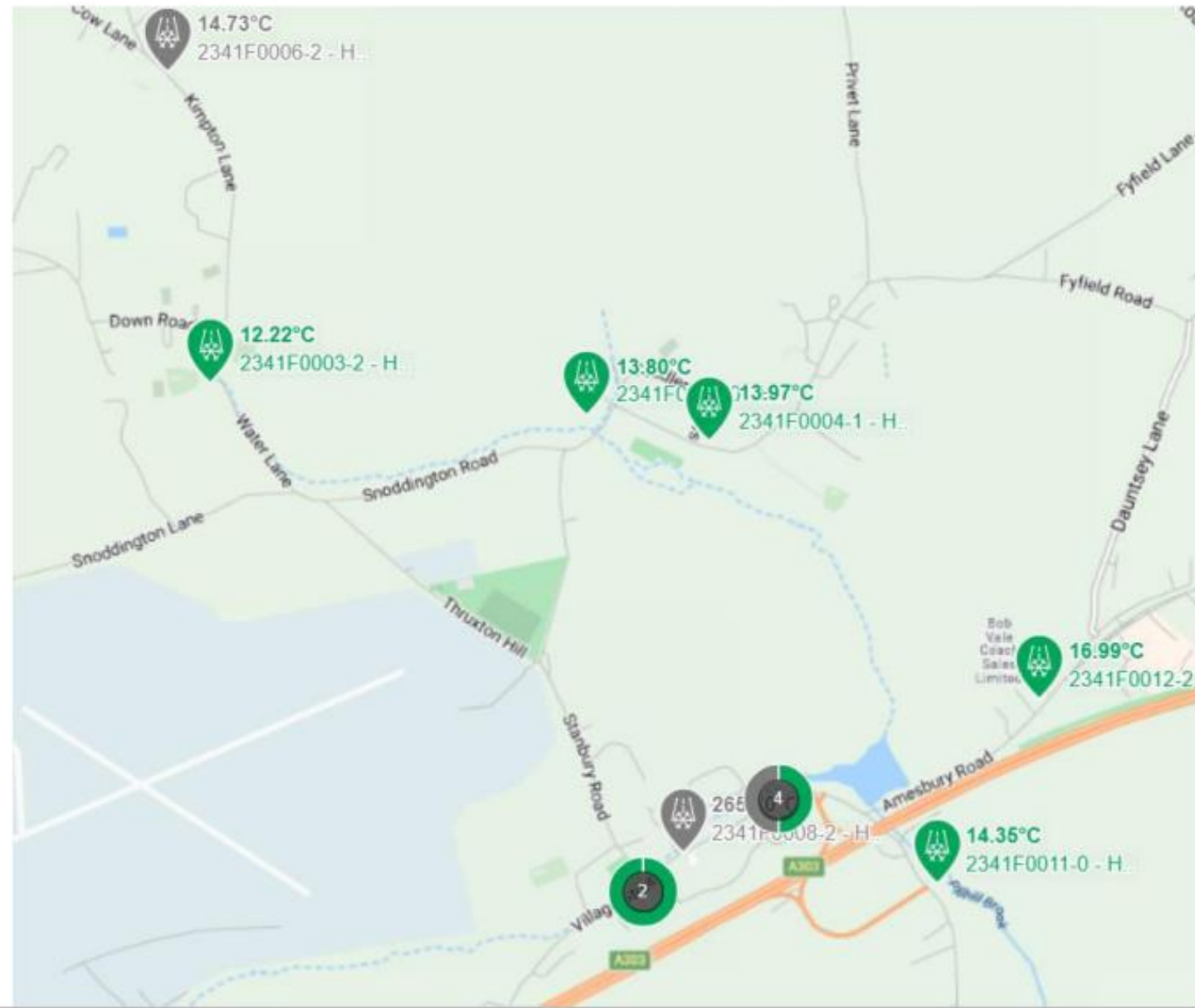
# Temperature sensors north 3.5.24



27.6.24



# Temperature sensors north 7.6.24



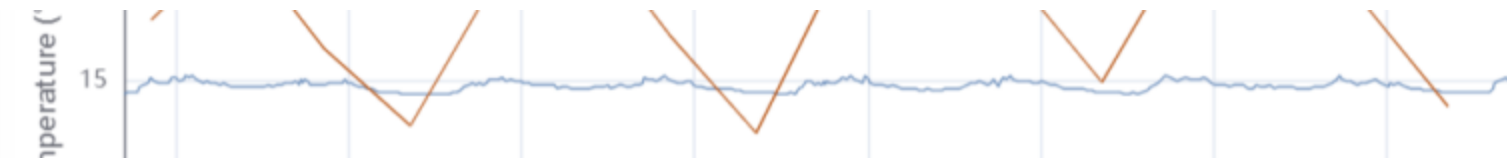
# How wiggly?



- May



- June



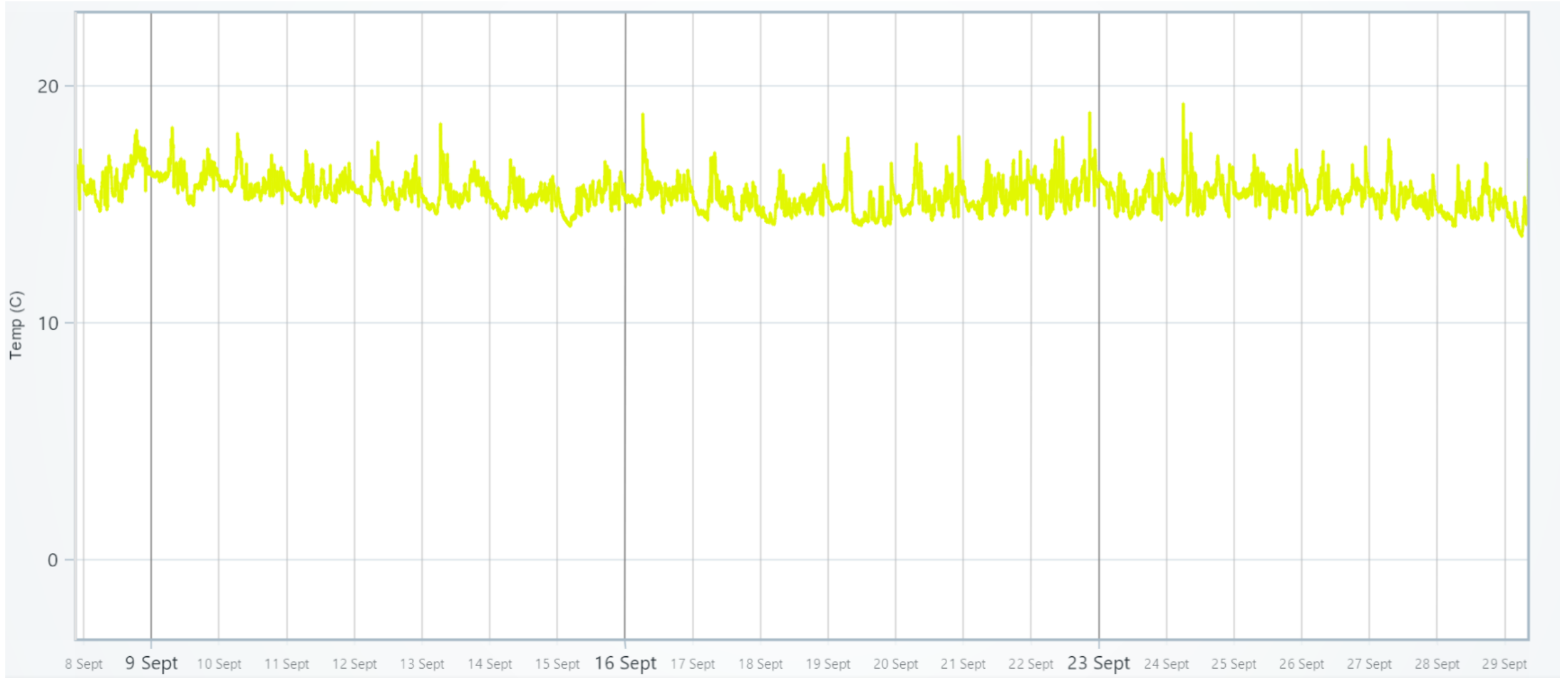
- July



- Control Quarley



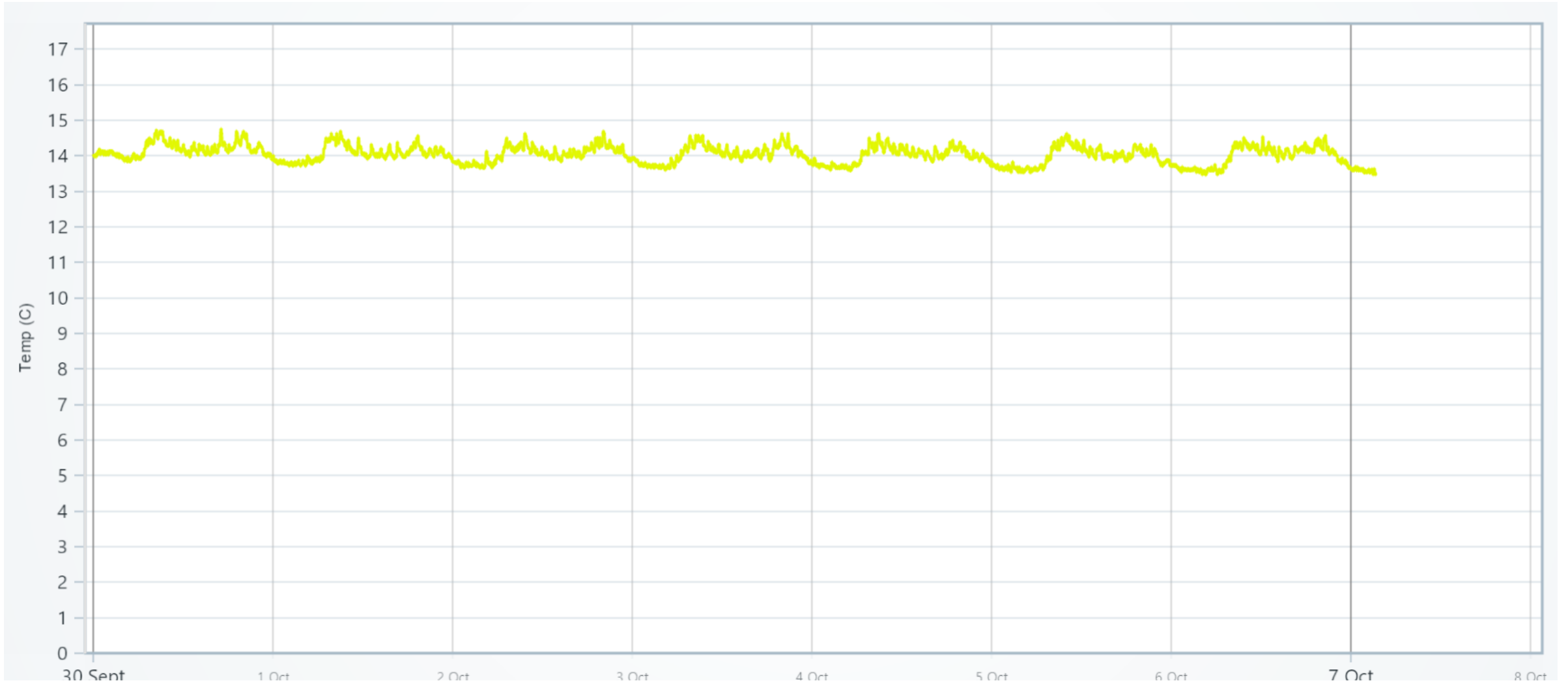
# Kimpton Temperature



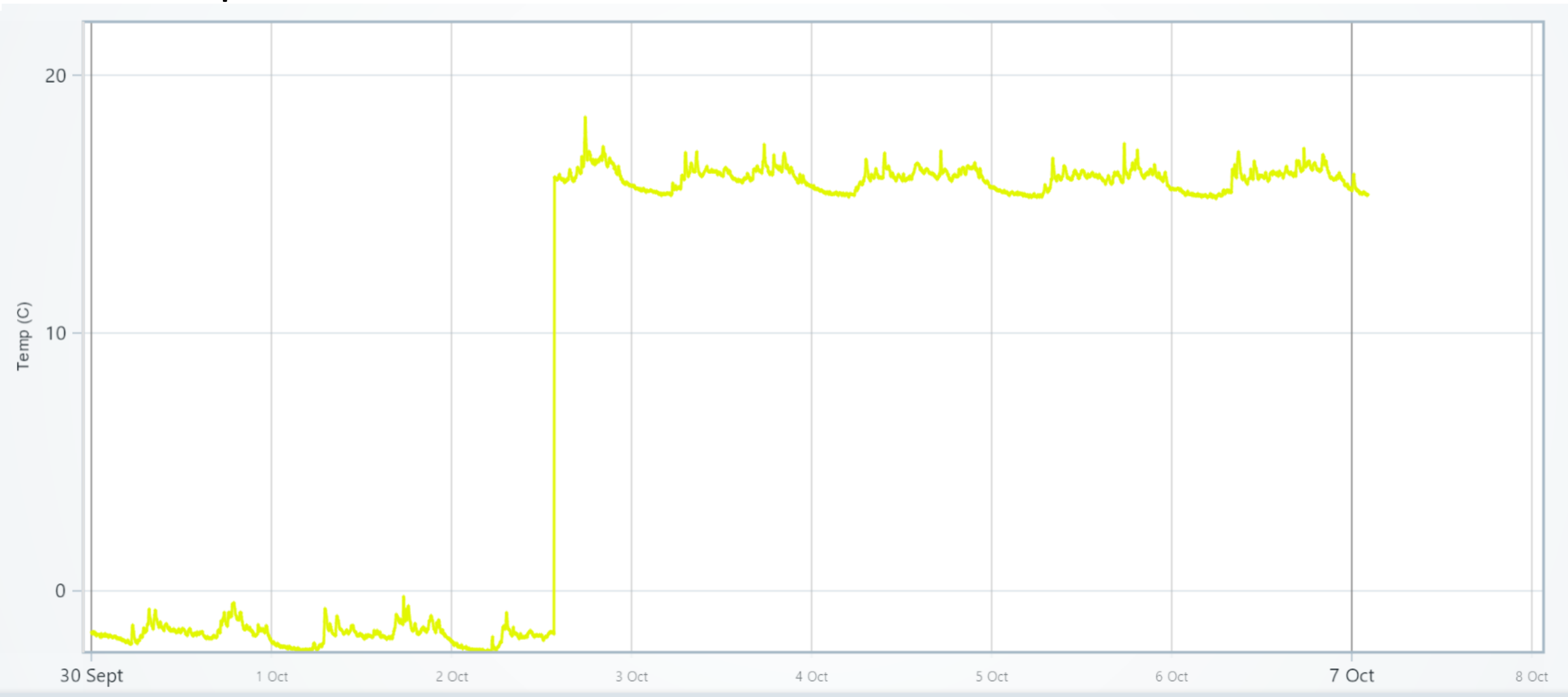
# Fyfield



# Mullens Pond

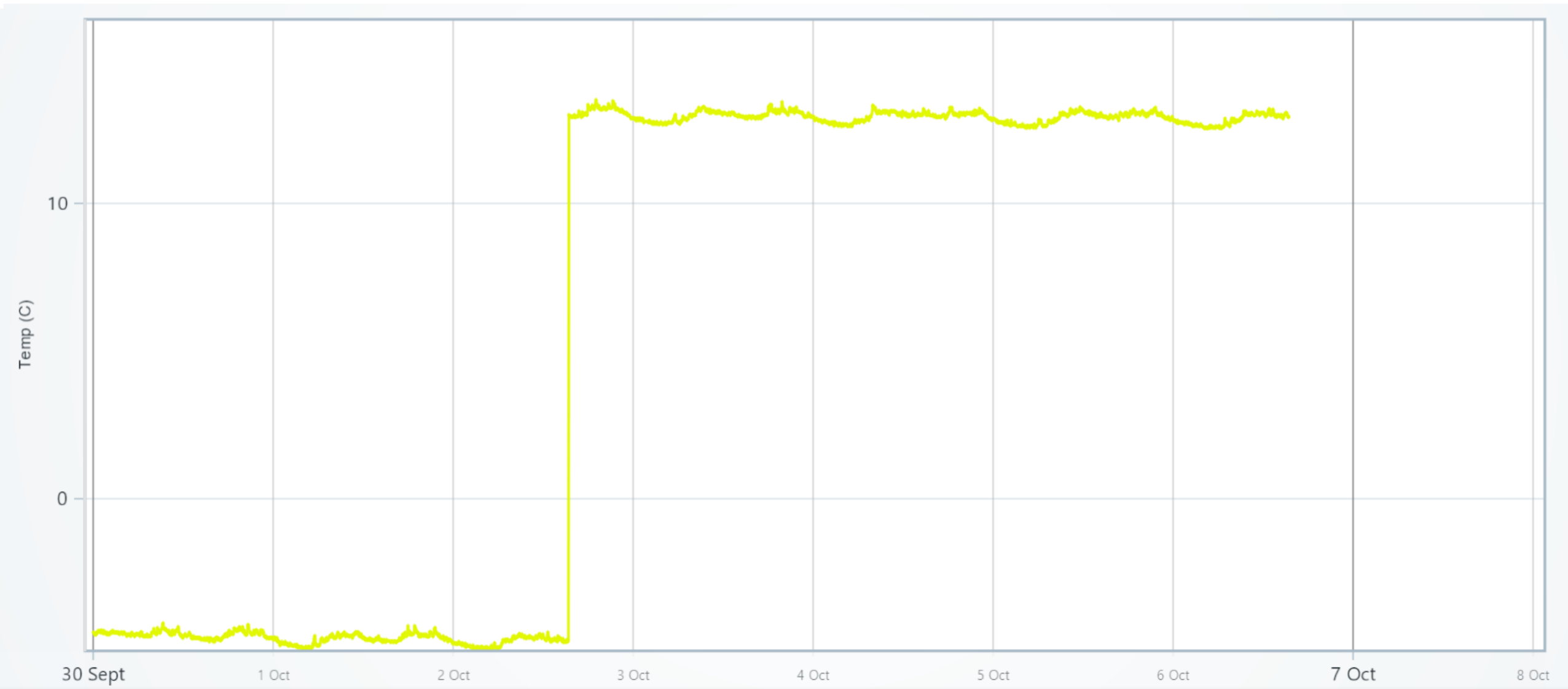


# Ampport

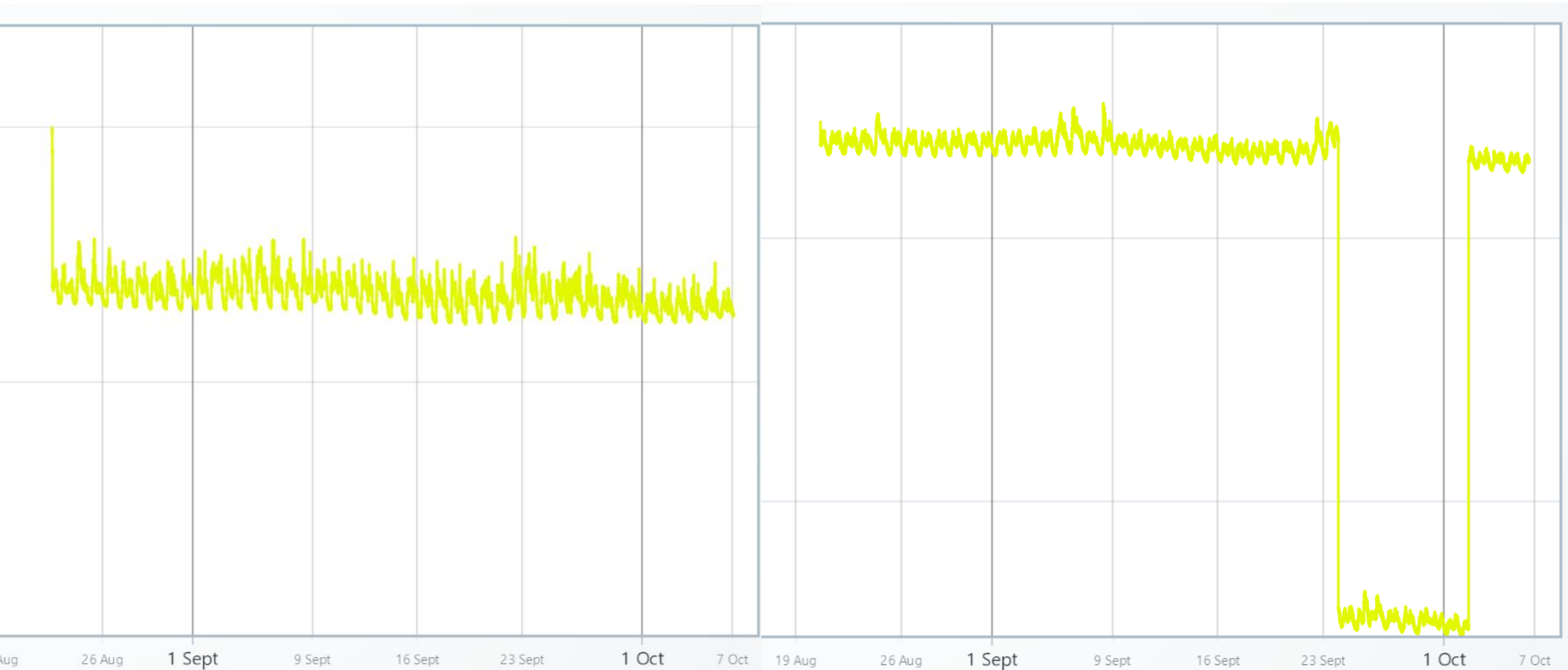




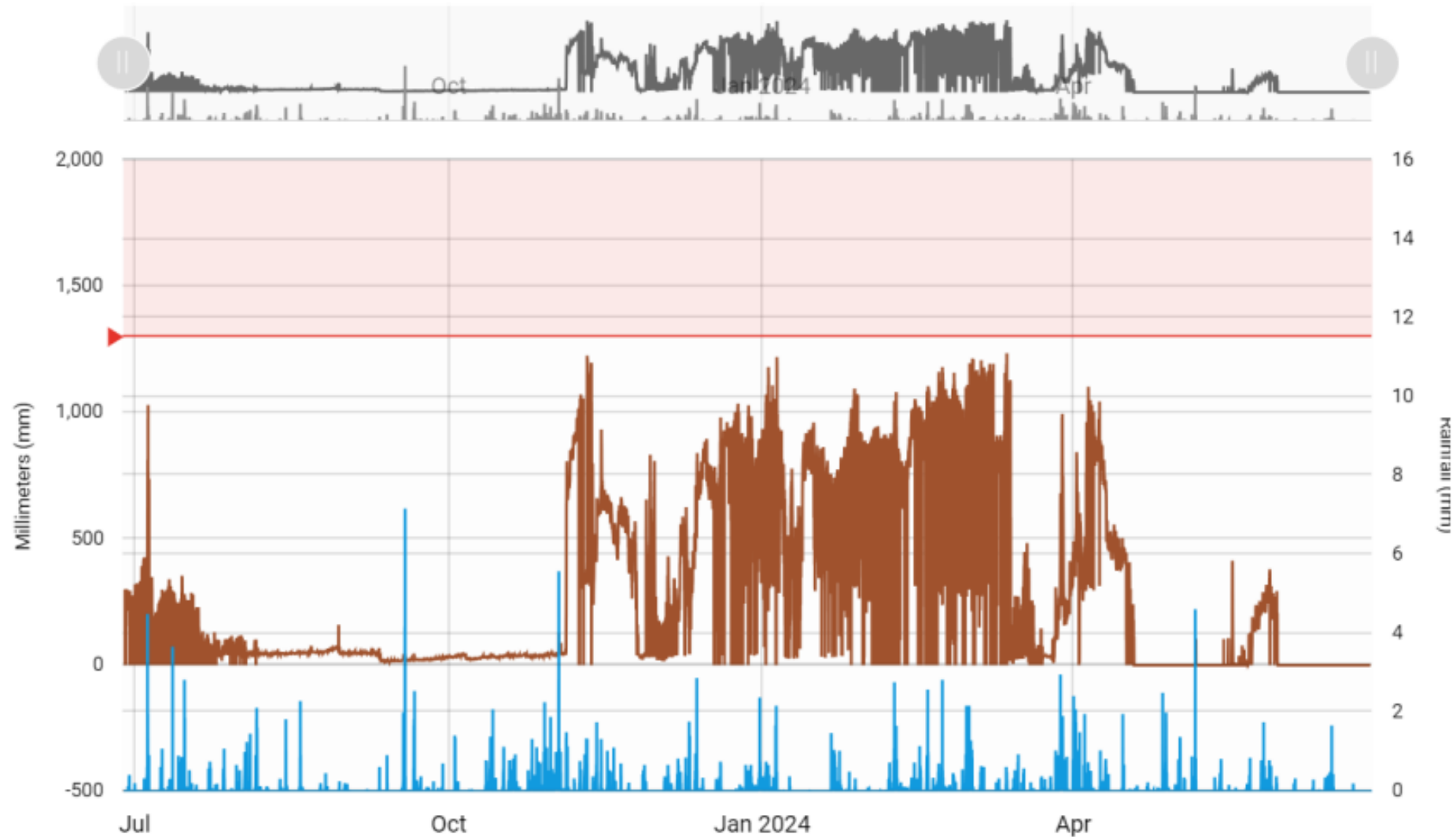
# Monxton



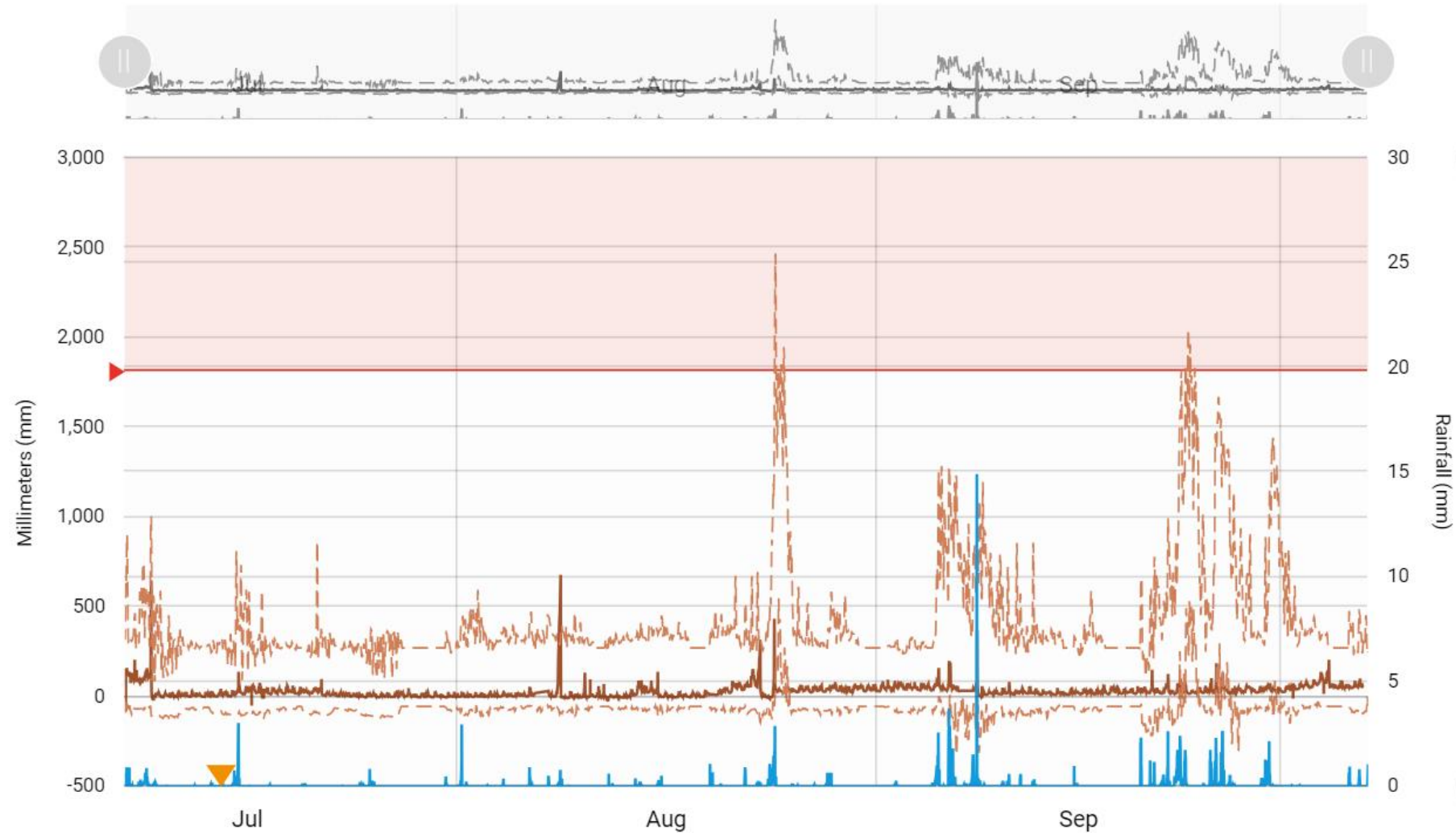
# Kimpton and Monxton 3 months



# Fyfield SLM July 23 – June 24

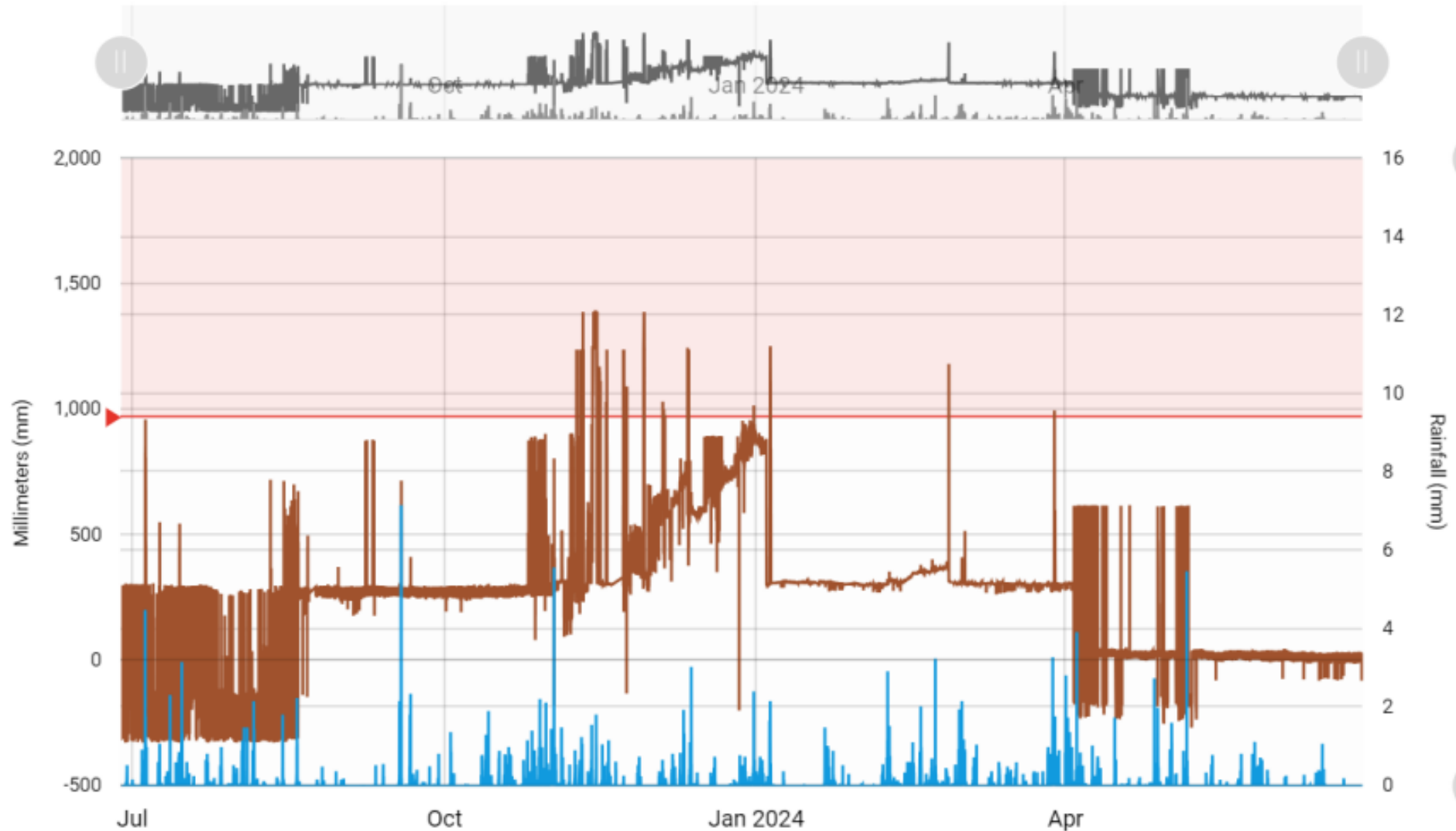


# Fyfield SLM – Last 3 months





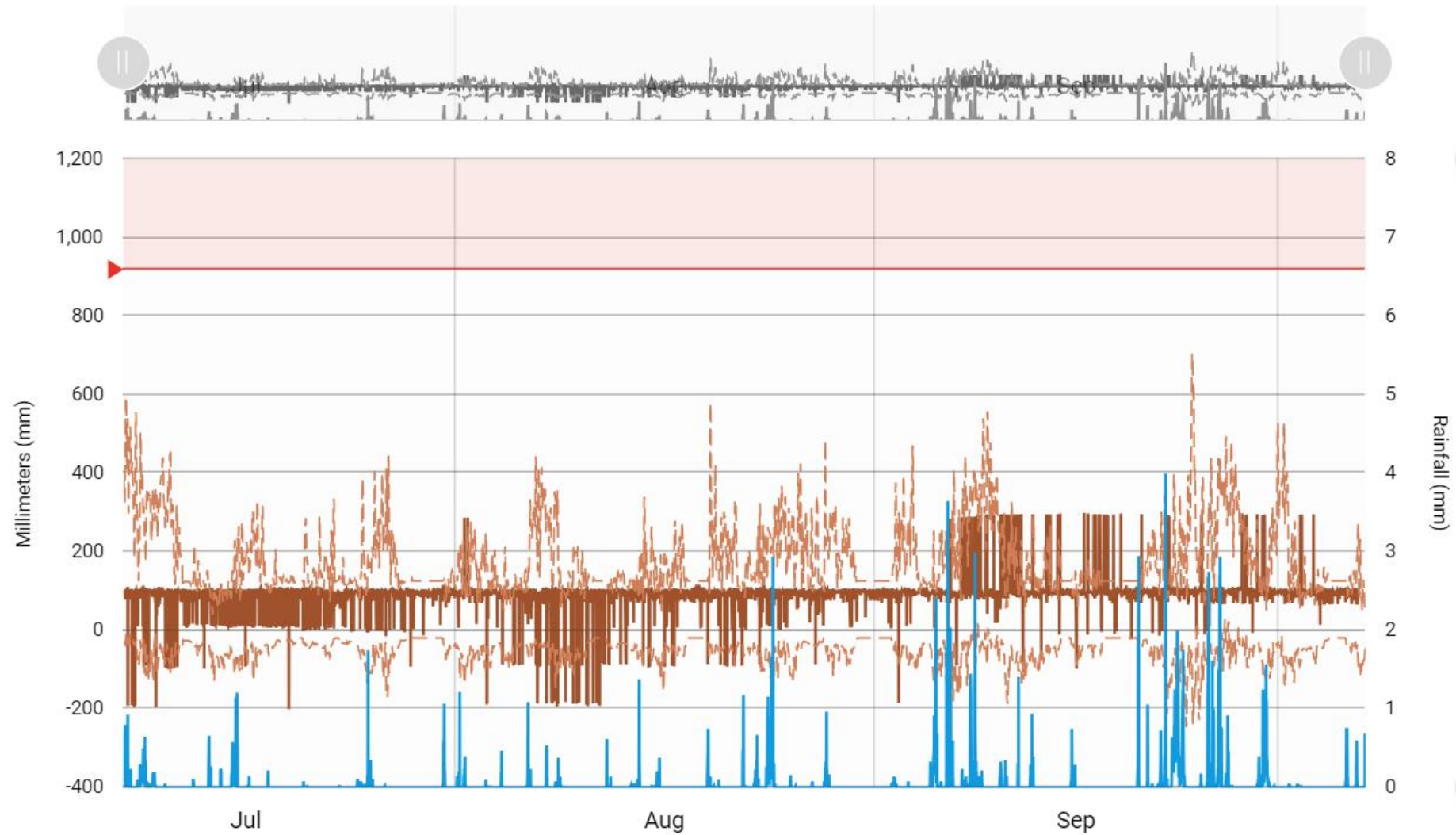
# Village Street Thruxton SLM July 23 – June 24



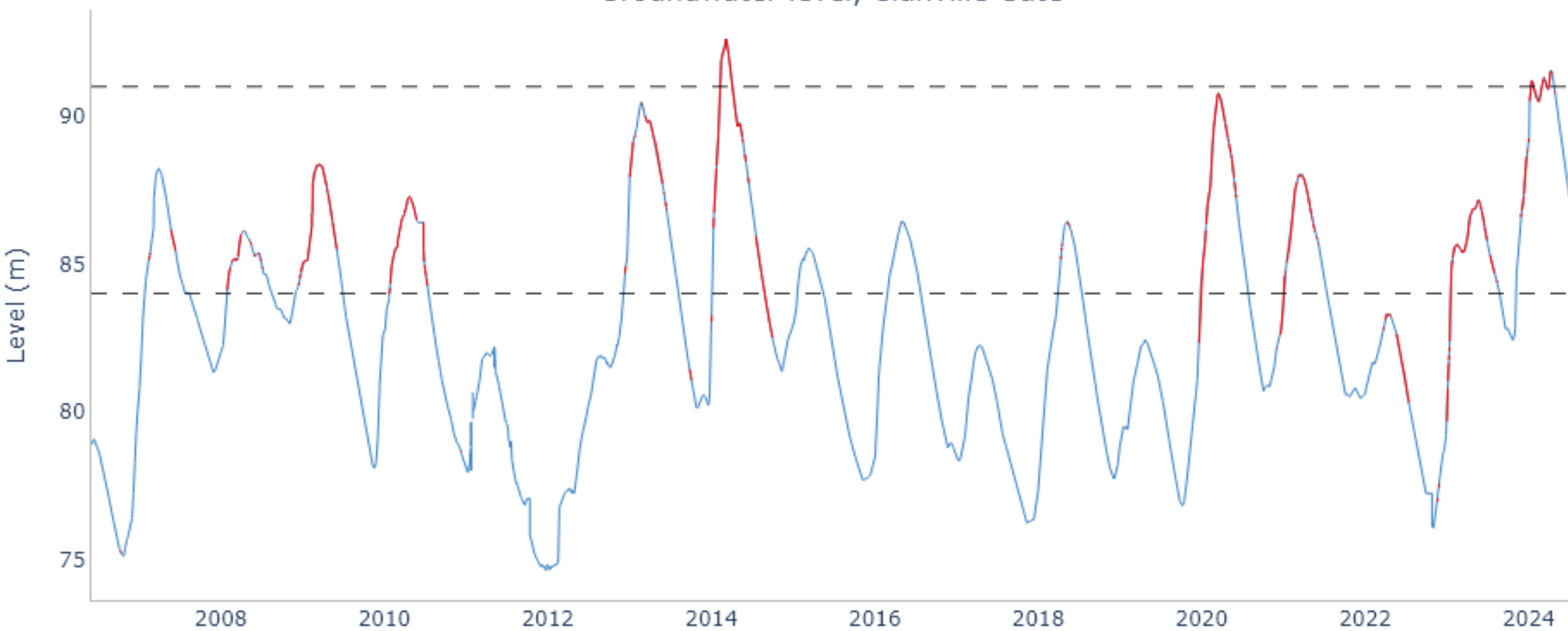
# Village street thruxton – 3 months



# Monxton 3 months



Groundwater level, Clanville Gate



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

# Next steps

- Monitor and intervene as appropriate
- Share knowledge and best practice
- Build investment plans for AMP8 and beyond

# Site Health checks /Sewer Jetting

## Site Checks

### Completed

Stanbury Road, Fyfield WPS  
Mullens Pond, East Cholderton WPS  
Monxton WPS  
Little Ann Bridge WPS  
Goodworth Clatford South WPS  
Goodworth Clatford Station WPS  
Goodworth Clatford Royal Oak WPS  
Church Lane Goodworth Clatford WPS

### Outstanding

Furzedown Lane Amport WPS

## Sewer Jetting

### Completed

Kimpton Paddock – Completed  
Kimpton Green - Completed

## Wet well Cleans

### Completed

Stanbury Road, Fyfield WPS  
Mullens Pond WPS  
Furzedown Lane Amport WPS  
Royal Oak Goodworth Clatford WPS  
Goodworth Clatford Station WPS

### Outstanding

Monxton WPS  
Little Anne Bridge WPS  
Goodworth Clatford South WPS



# Mill Lane Valve

- Technolog Ltd onsite scope
- Involved in a similar project with Anglian Water
- SLM install to monitor flow and provide data
- SLM install request made 2 weeks ago (generally 30-day turnaround)
- Design solution expected 2025 and will be progressed through established risk/investment process

