

# PPF/SW Quarterly 21.3.24



# Agenda

1. Intro from Nick Mills, SW Environment & Innovation Director and PPF Chair Chris Harris
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)
  1. Tubogel
  2. Manhole sealing
  3. public sealing
5. Results (KH)
6. Flow restoration update (Scott Howe and Floyd Cooper SW Wastewater Networks)
7. Groundwater strategy and preparedness (SH/FC)
8. Treatment updates
9. Ecology survey and sampling results
10. HCC Highways road safety
11. Wider Pan Parish Communications
12. Outstanding actions
13. AOB



# Objectives

Pan Parish Forum. 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, Abbotts 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

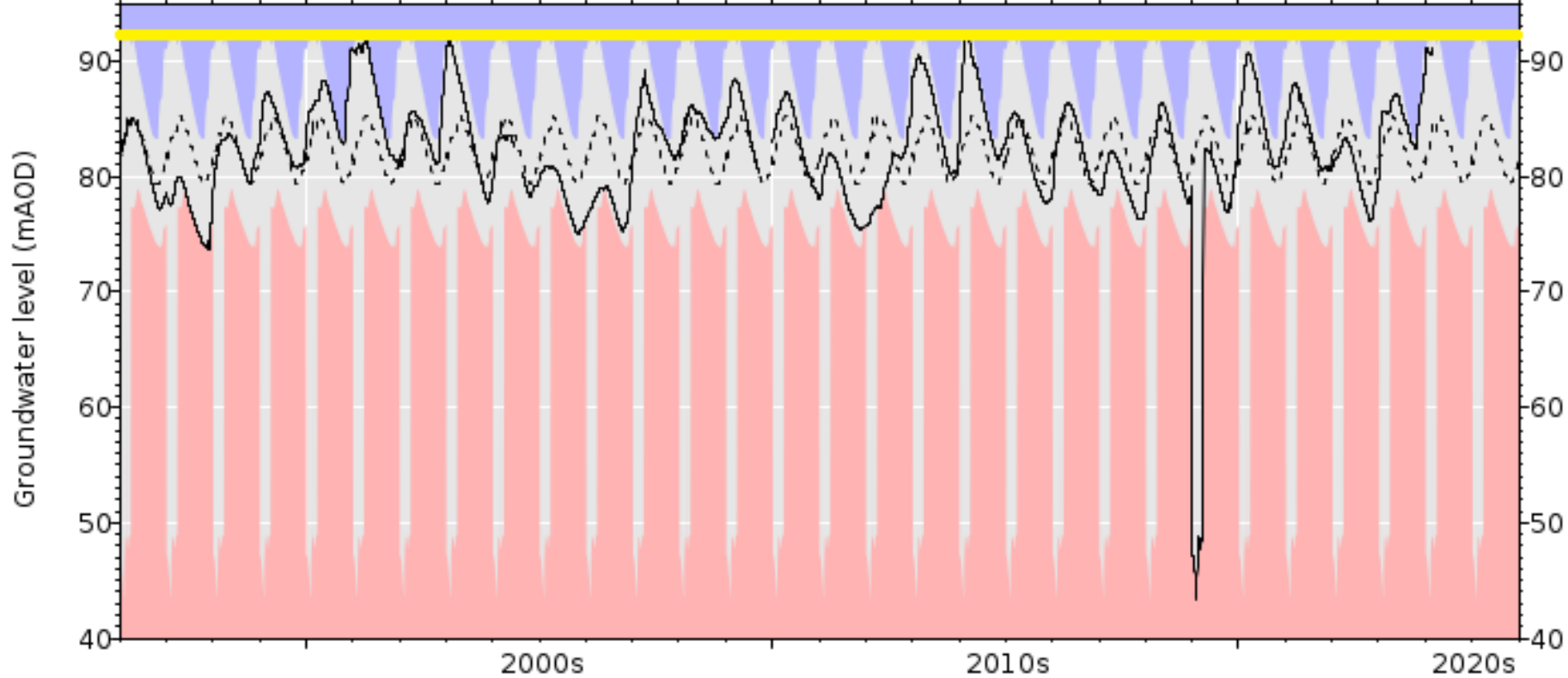
**Aspiration:** Monitoring in place for Nov '22.

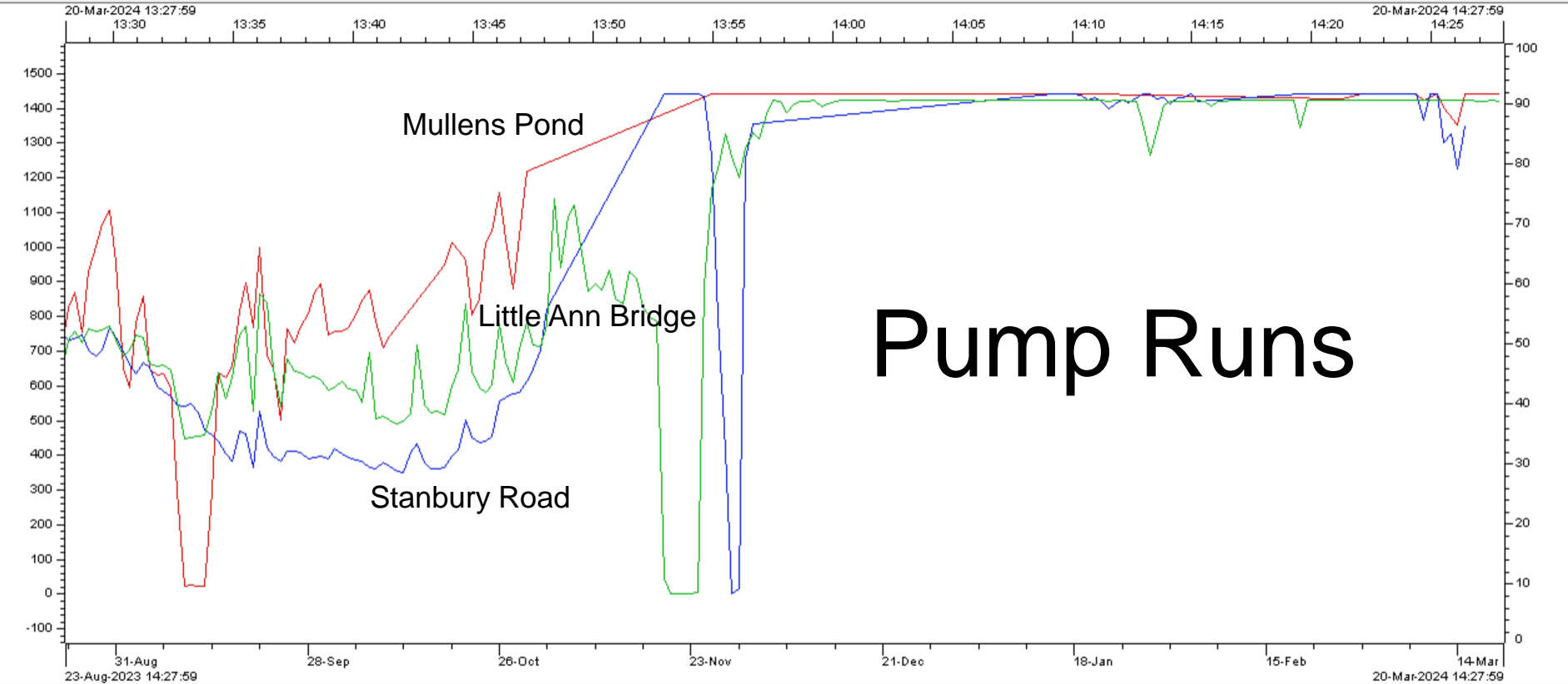
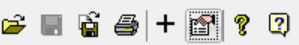
Monthly GW levels (m AOD or Above Sea Level)

Week	Amport Rainfall (mm)	Clanville Gate* (101.55 AOD)	Change	High View Kimpton	Change	Stanbury Road (76.63 m AOD)	Change	Mullens Pond (69.35 m AOD)	Change	Monxton (62.52 m AOD)	Change
6/1/23	22.0	81.07	↑	82.71	↑	-	-	-	-	-	-
3/2/23	66.0	85.55	↑	85.30	↑	76.11	-	69.03	-	61.80	-
3/3/23	6.2	85.45	↓	84.88	↓	76.04	↓	68.96	↓	61.68	↓
7/4/23	105.5	86.31	↑	85.75	↑	76.11	↑	69.06	↑	61.74	↑
5/5/23	49.7	86.87	↑	85.88	↑	76.14	↑	69.07	↑	61.81	↑
2/6/23	26.0	86.97	↑	85.50	↓	76.14	=	69.02	↓	61.75	↓
7/7/23	75.2	85.46	↓	84.00	↓	76.10	↓	68.93	↓	61.60	↓
4/8/23	79.5	84.58	↓	83.50	↓	76.05	↓	68.89	↓	61.57	↓
1/9/23	31.0	83.66	↓	83.83	↑	76.00	↓	68.87	↓	61.56	↑
6/10/23	109.6	82.68	↓	82.73	↓	75.94	↓	-	-	61.65	↑
3/11/23	208.0	84.27		83.85	↑	76.21		-	-	61.94	
1/12/23	76.0	86.77	↑	86.00	↑	76.22	↑	-	-	61.92	↓
5/1/24	148.5	90.03	↑	87.25	↑	76.34	↑	-	-	61.98	↑
								Haydown Fm (75.4 m AOD)			
2/2/24	1.5	90.68	↓	86.88	↓	76.33	↑	74.12	↓	61.89	↓
1/3/23	27.0	91.05	↑	87.21	↑	76.33	↑	74.13	↑	61.94	↑
8/3/24	21.0	91.26	↑	87.34	↑	76.35	↑	73.50	↓	61.98	↑
15/3/24	13.0	91.20	↓	87.16	↓	76.29	↓	73.90	↑	61.91	↓

Clanville Lodge Gate - SU34/8D

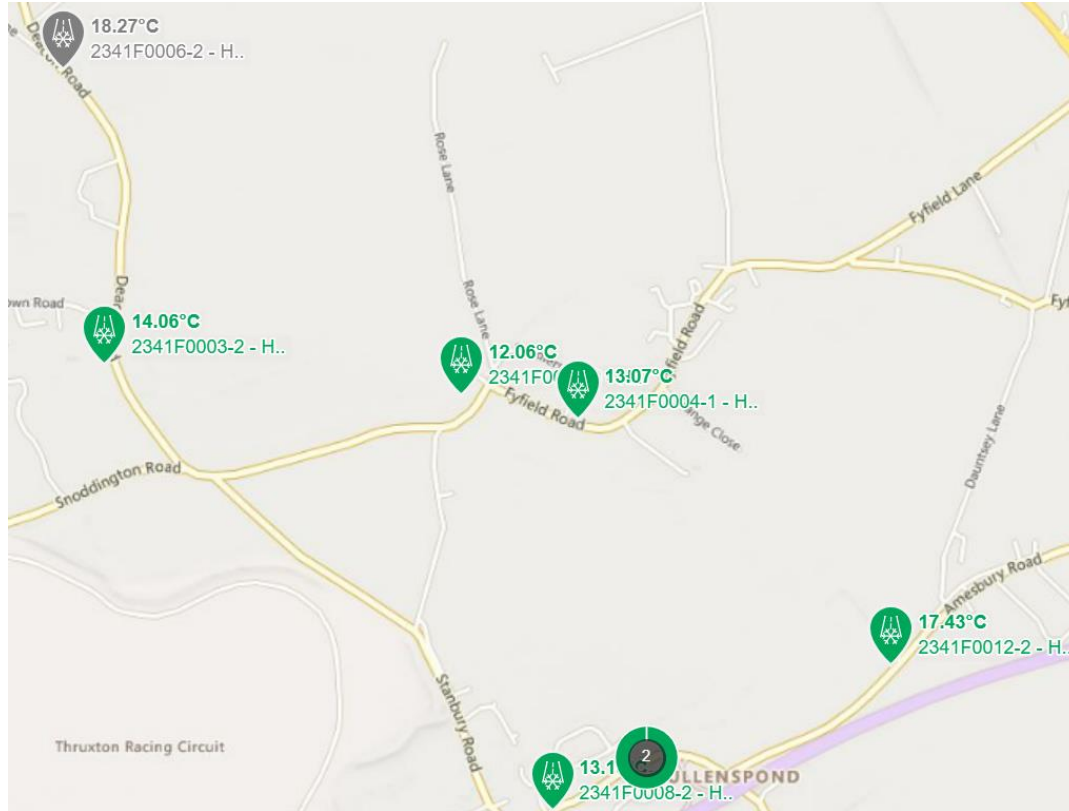
Groundwater Level





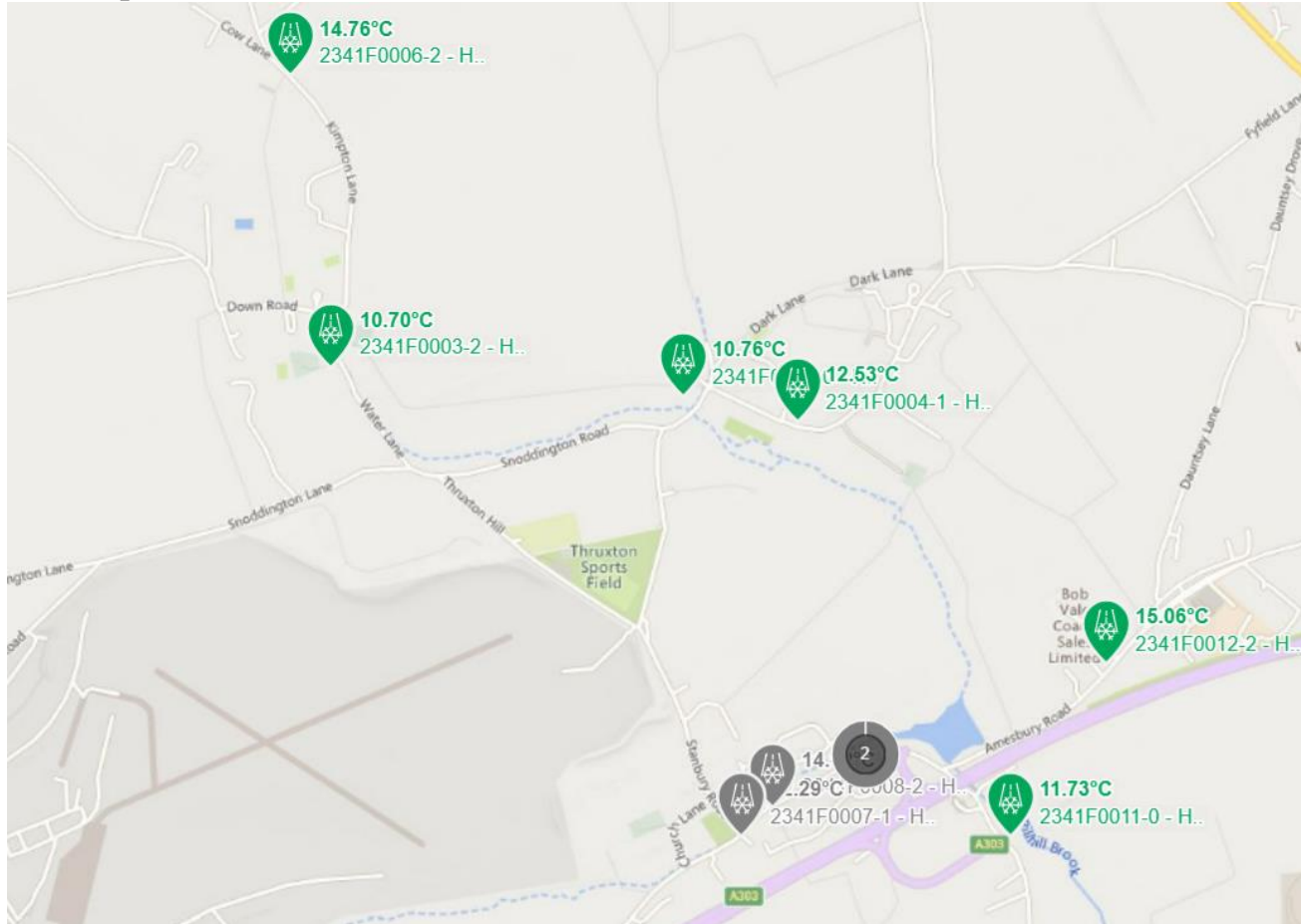
Trend	Server	Stream	Works	Process	Function	Asset	Tag Name	Address	Data Type	Intersect Time	Intersect	Max
Requests Complete								Default (Global)		(Modified) (Modified)		

# Temperature sensor data 22/9/23

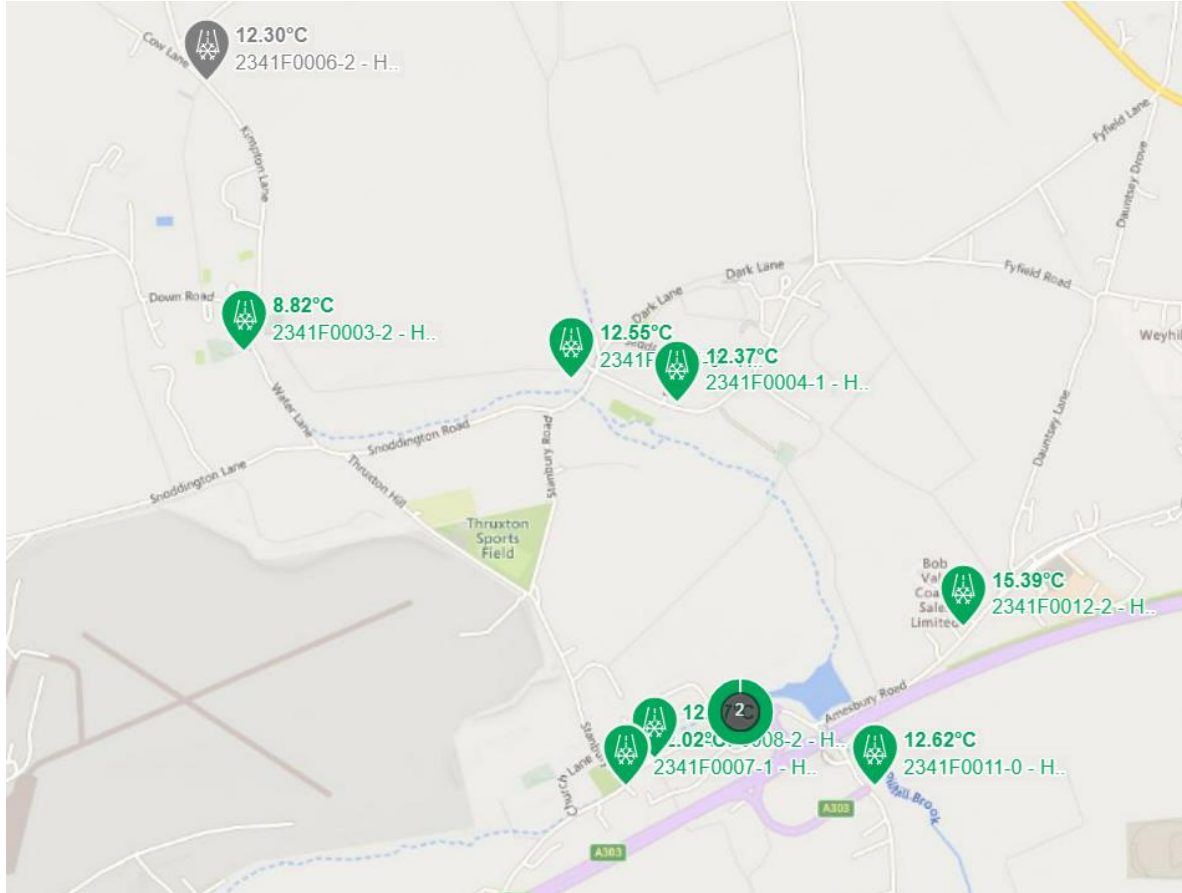




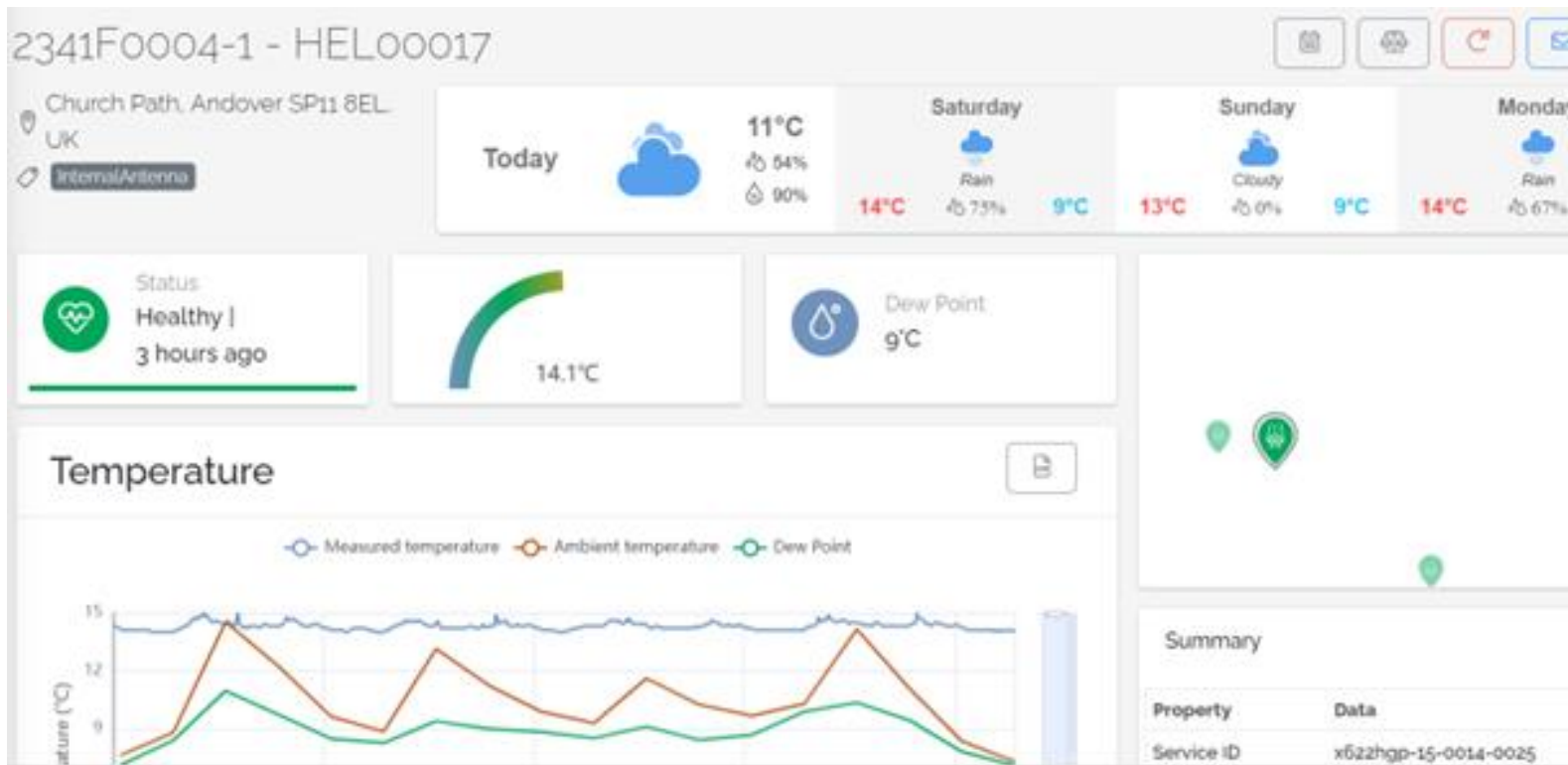
# Temperature sensor data 1/12/23



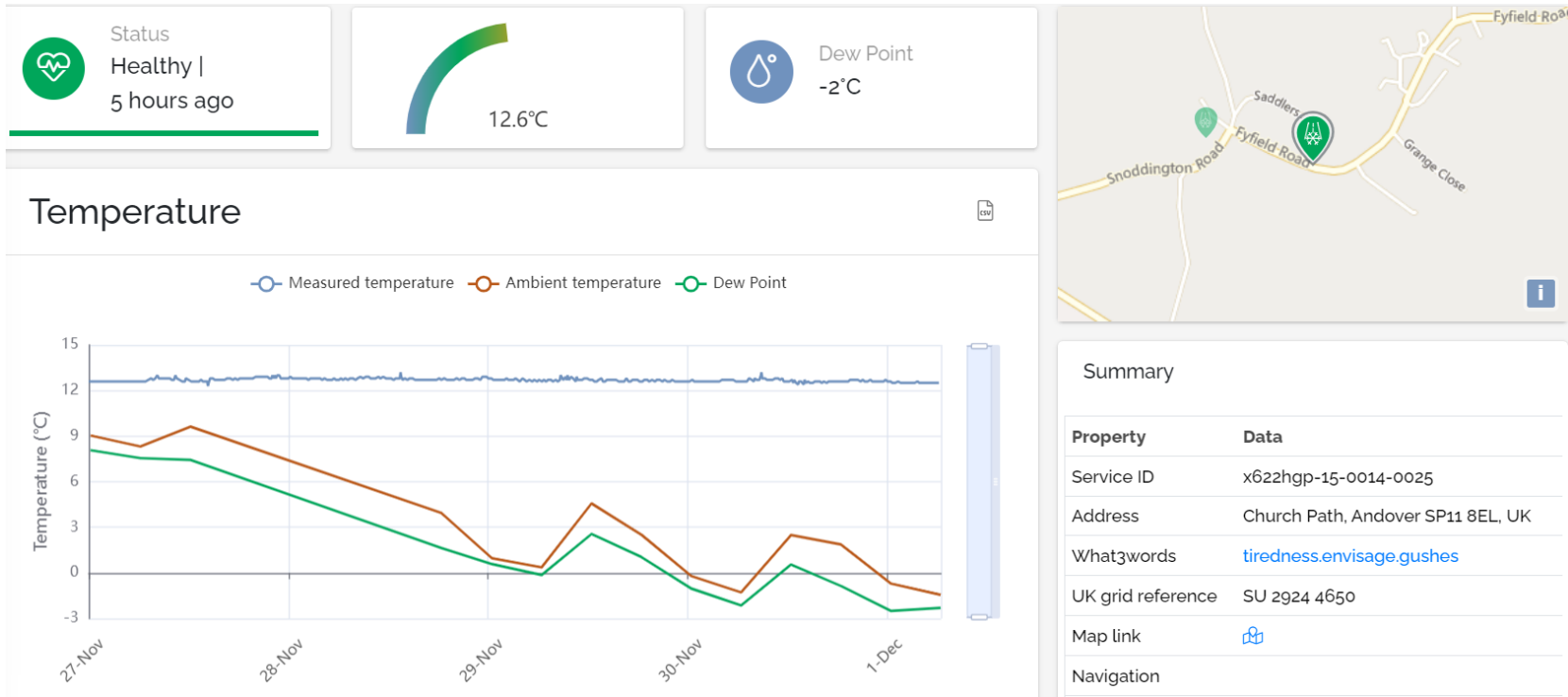
# Temperature sensor data 20/3/24



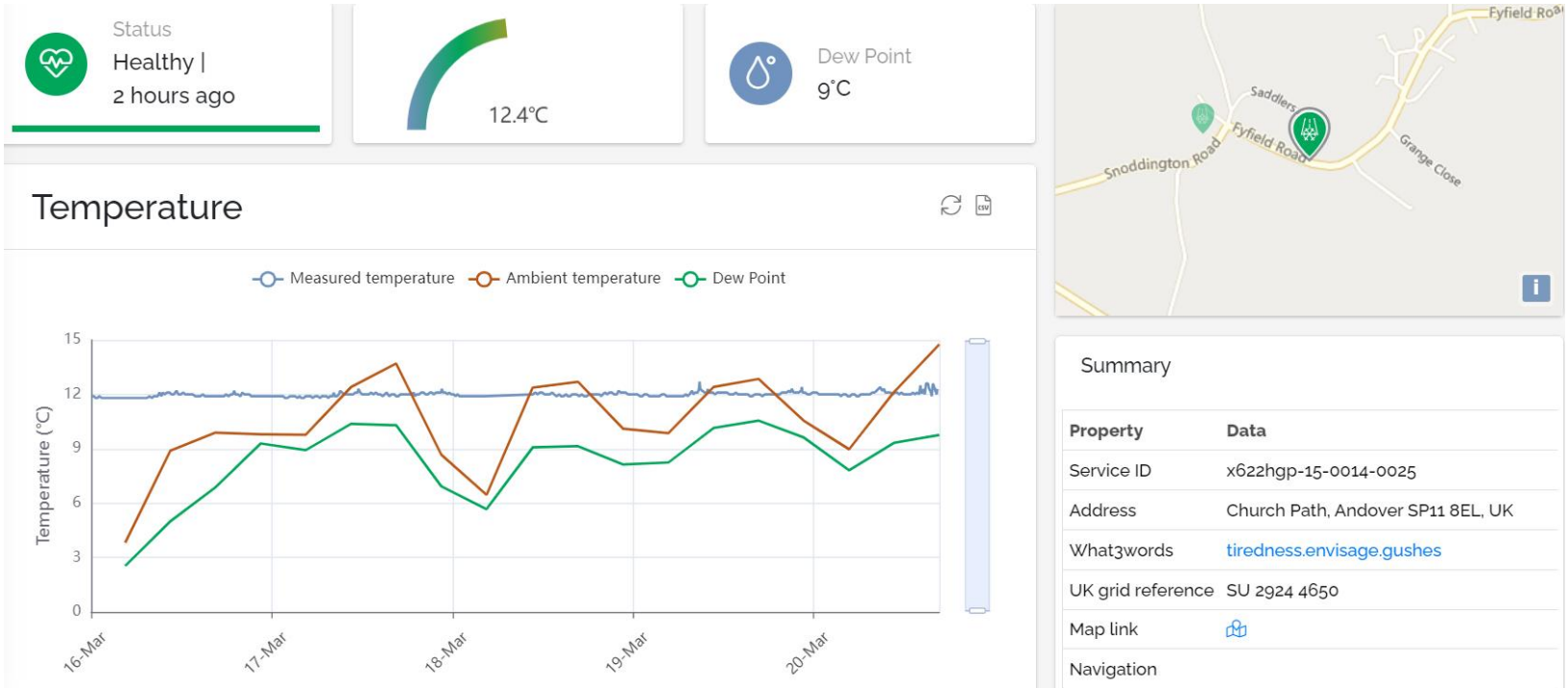
# Fyfield sensor 27/10/23



# Fyfield sensor 1/12/23



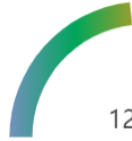
# Fyfield sensor 20/3/24



# Mullens Pond



Status  
Healthy |  
1 hour ago



12.6°C

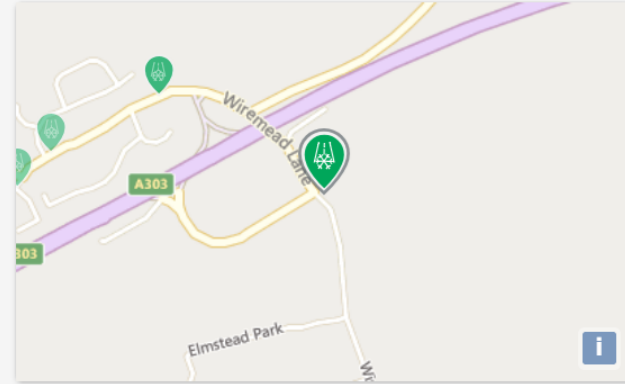
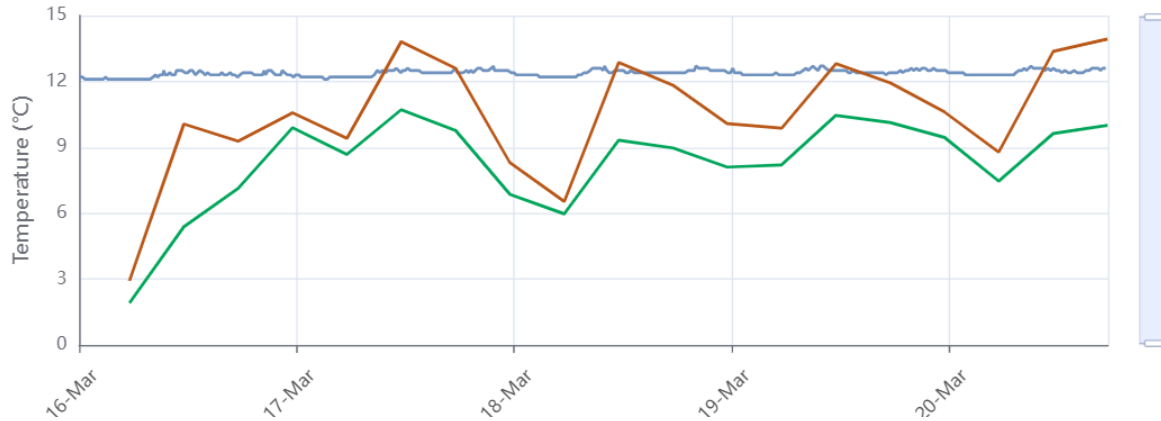


Dew Point  
9°C

## Temperature



—○— Measured temperature —○— Ambient temperature —○— Dew Point



## Summary

Property	Data
Service ID	x622hgp-17-0021-0021
Address	The Bungalow/Mullens Pond, Andover S
What3words	<a href="#">listings.discusses.rocks</a>
UK grid reference	SU 2973 4556
Map link	<a href="#">Map link</a>
Navigation	

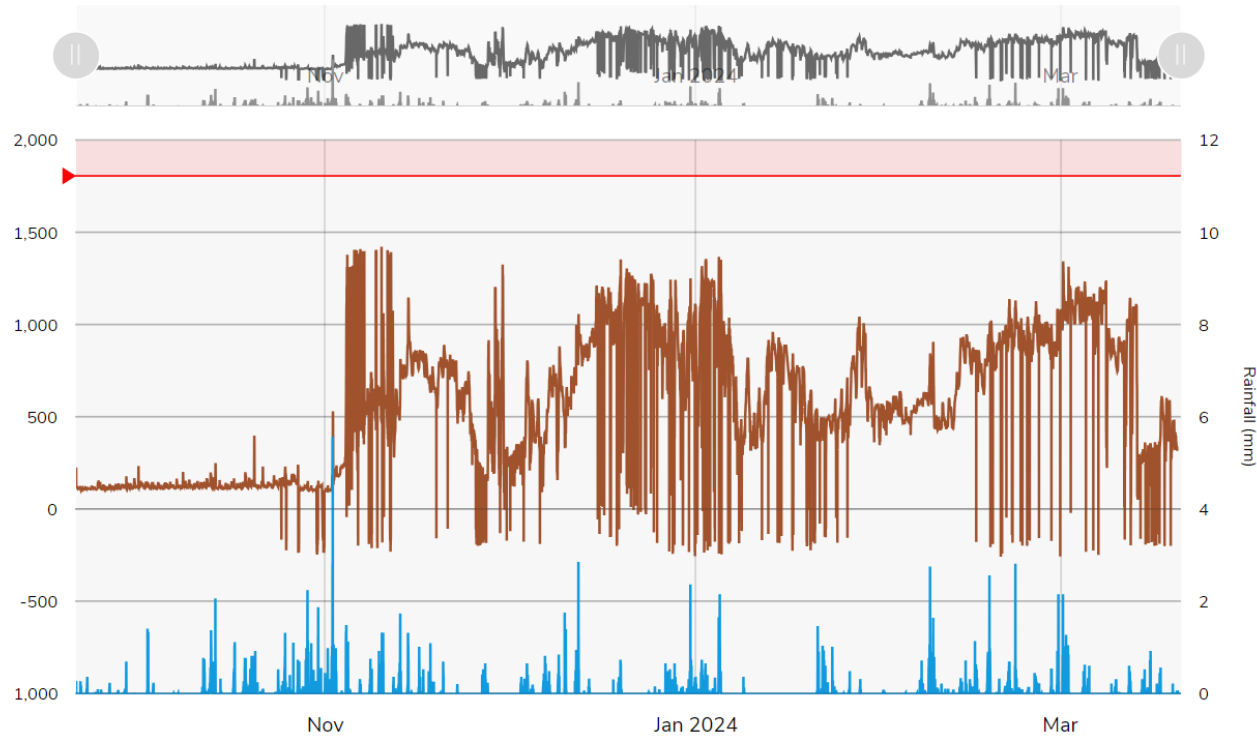
# Fyfield MH

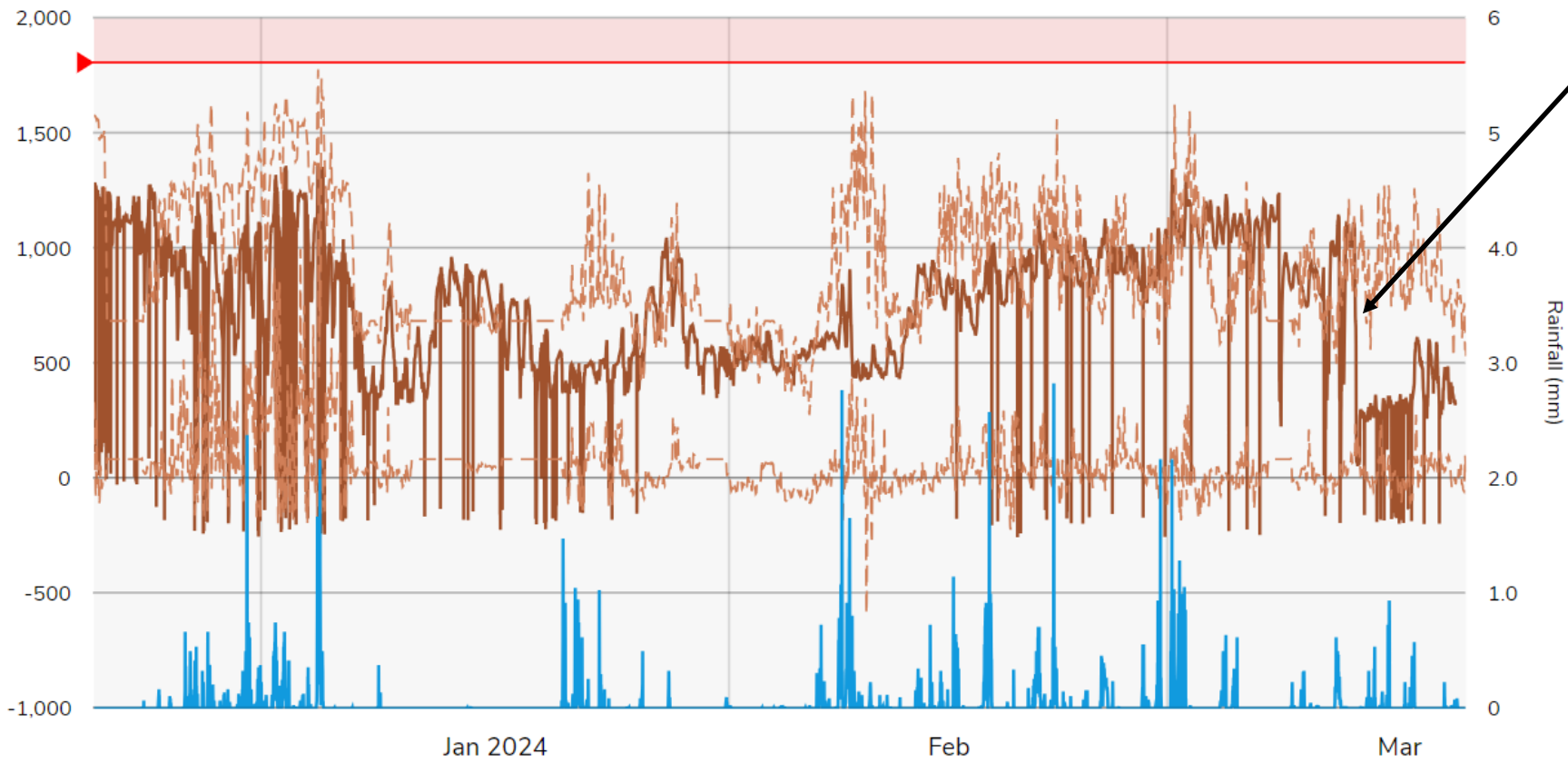
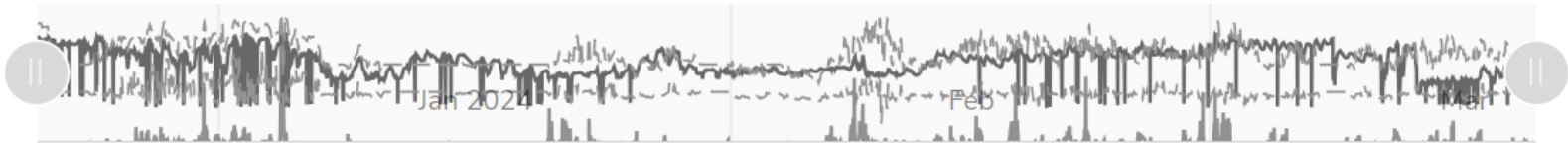






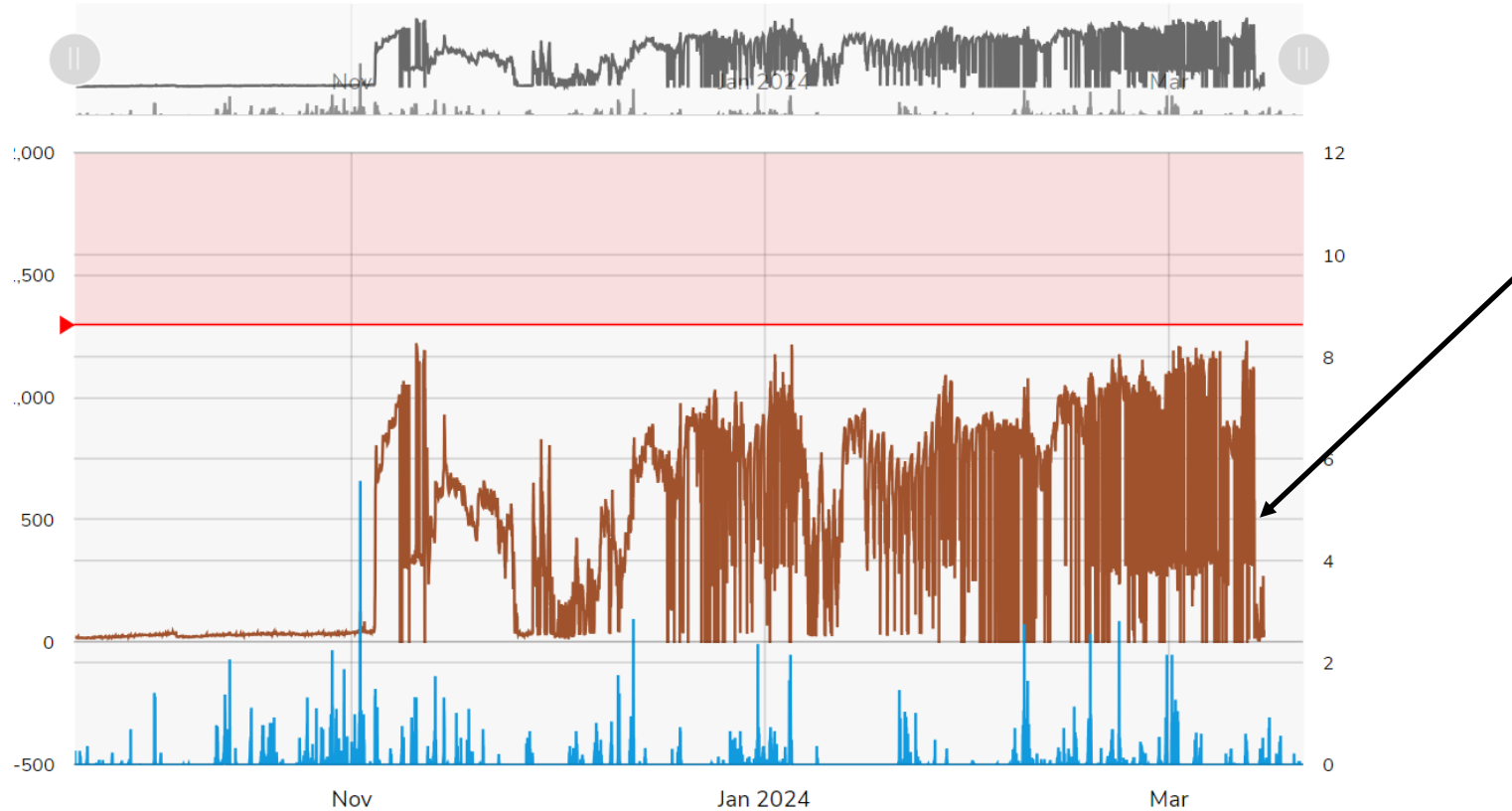
# SLM



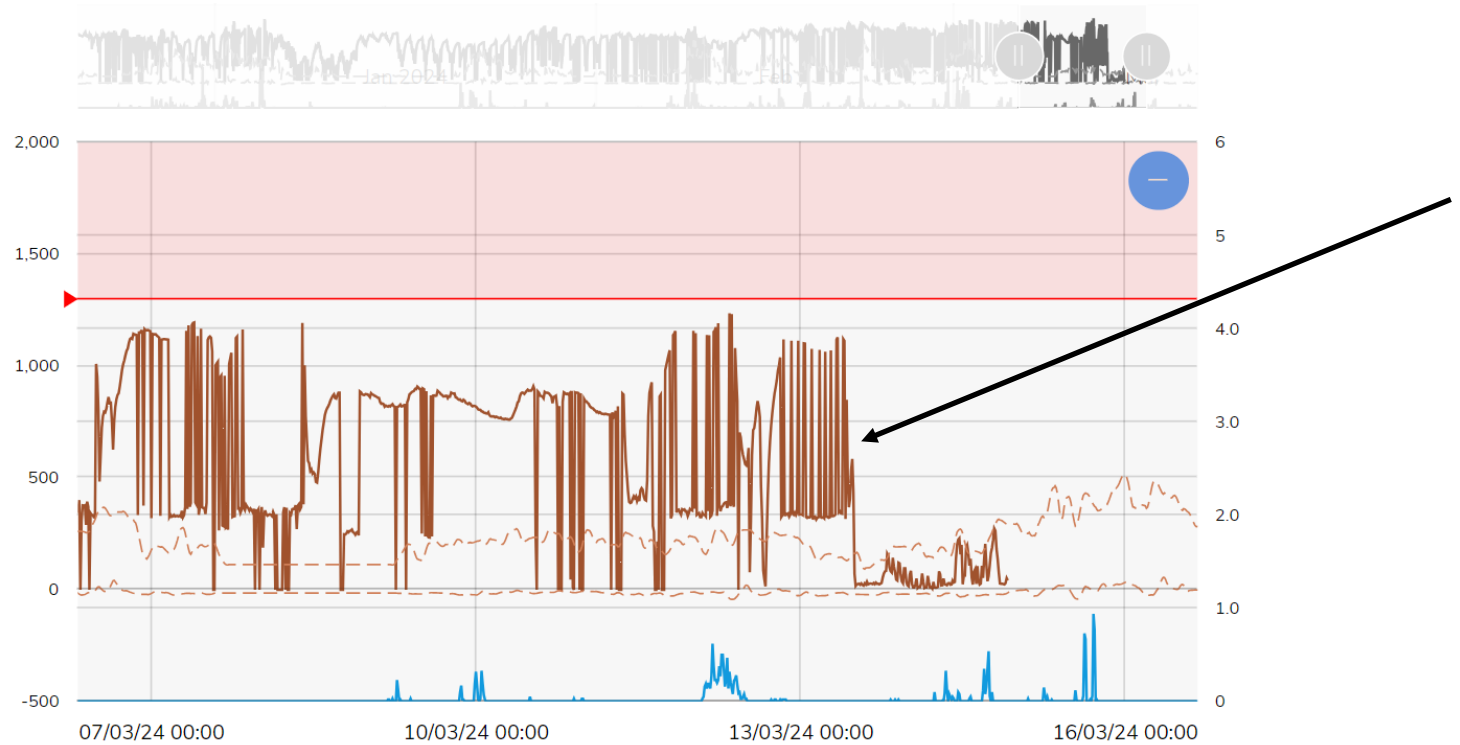




# Snoddington Road



# Snoddington Road



Kimpton		
	Props	Length
Complete	97	795
Unable to Complete	16	160

100%

Fyfield		
	Props	Length
Complete	128	1027
Unable to Complete	18	160

100%

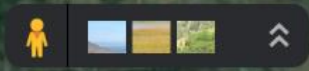
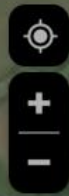
37%

Thrupton		
	Props	Length
Complete	57	439
Unable to Complete	9	64
remaining	112	998

East Cholderton		
	Props	Length
Complete	19	196
Unable to Complete	2	10

100%

Total		
	Props	Length
Complete	301	2457
Unable to Complete	45	394
remaining	112	998



# Manhole sealing

58/134



# Public sewer sealing works

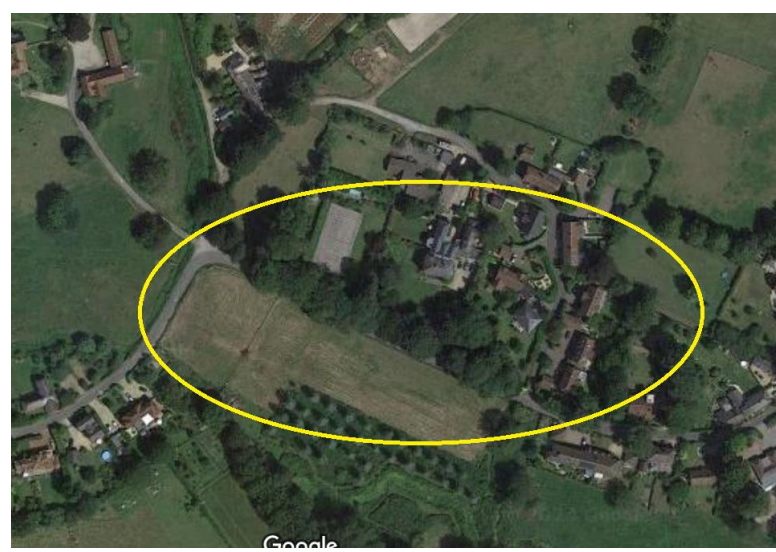
Public sealing	Kimpton	570m
	Fyfield	75m
	Thruxton	1125m
	E. Chold	30m
	Weyhill	0
	Monxton	175m
		1975m



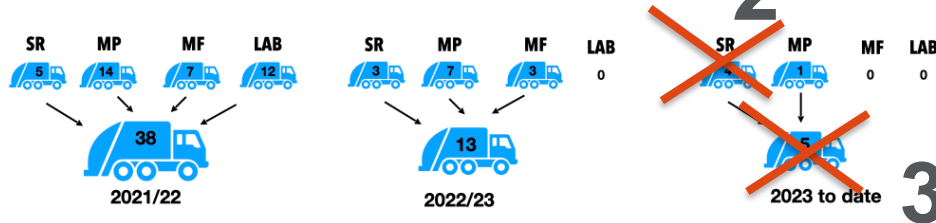


Area	Action	How many	Specifics	When	RA
Pan Parish	Tubogel	Kimpton Fyfield E. Chold Thruxton	97/113 props 795/955m 128/146 props 1027/1187m 19/21 props 196/206m 57/178 props 439/1501m		
		<b>Total</b>	<b>301/458 props 2457/3849m – 112 props left</b>		
	Public sealing	Kimpton Fyfield Thruxton E. Chold Weyhill Monxton	570m 75m 1125m 39m 0 175m		
	Inspection cover sealing	58/134			
<p><b>GW level @ 90.55m (Record 92.5m). Still only 1 tanker at Mullens and 2 at Kimpton</b>  <b>Total 4441m of sealing works.</b>  <b>Ofwat target 5-7km</b></p>					

# Next steps March/April onwards



# Pan Parish 3 yr Reduction in Tanker Deployment



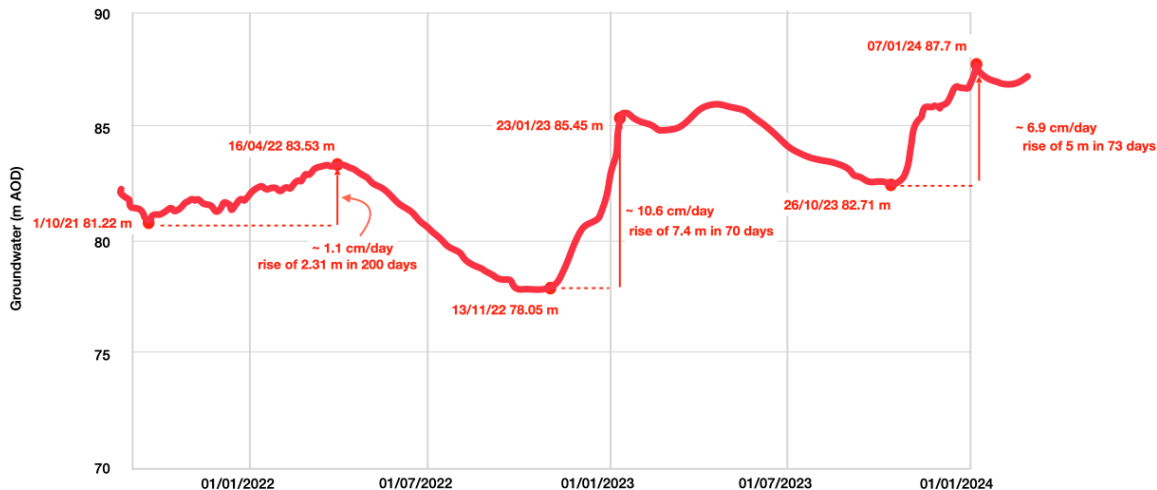
## Tankering Sites

SR - Stanbury Road WPS

MP - Mullens Pond WPS

MF - Manor Farm Bell Valve

LAB - Little Ann Bridge WPS



Groundwater levels at High View, Kimpton (107.38 m AOD)



# Learnings

- Ignore sewer condition
- Focus on where sewers are below GW level
- Sealing private pipework is just as (if not more) important
- Sealing during GW season is expensive but most effective
- Flexibility and autonomy for the teams undertaking the work
- Community engagement and participation is compulsory

# Questions