

# Water UK

## OSR herbicides: UK water industry context

Alistar Leggatt - Affinity Water

---

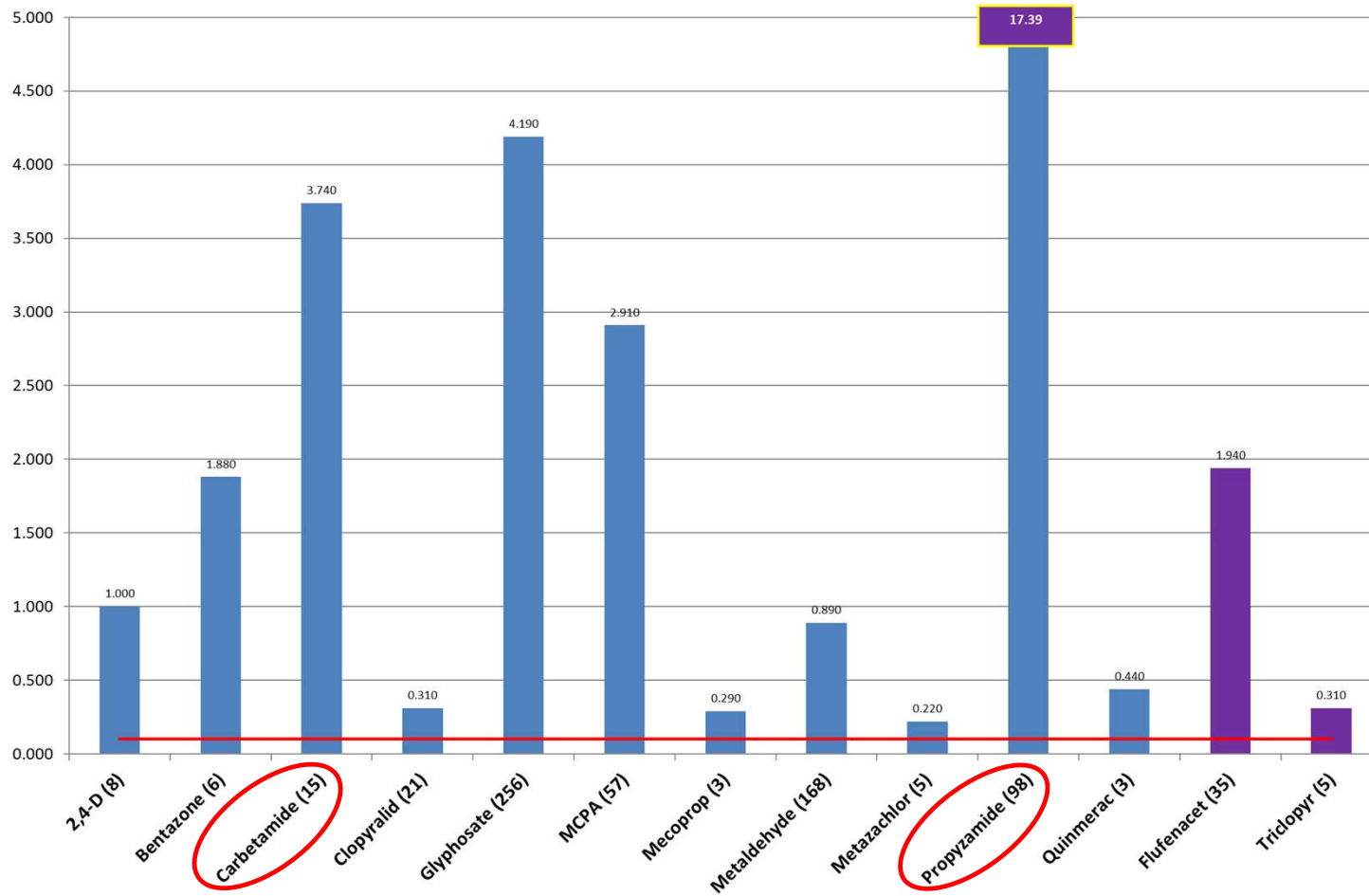
VI Webinar

July 2021



# Combined water company data – Sept to Dec 2020

Highest individual sample result from across all reporting companies



16

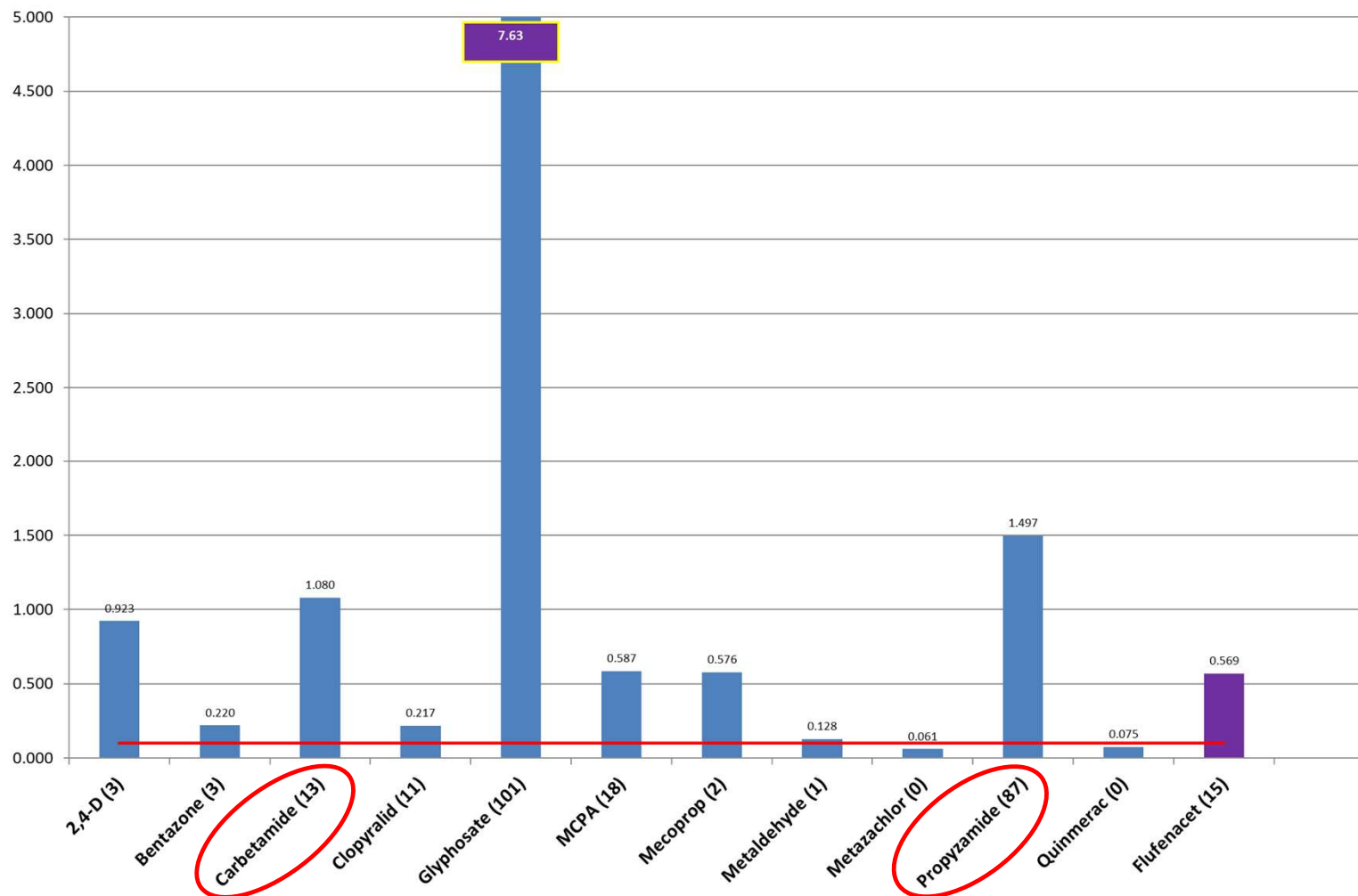
Companies

reporting



# Combined water company data – Jan –Apr 2021

Highest individual sample result from across all reporting companies

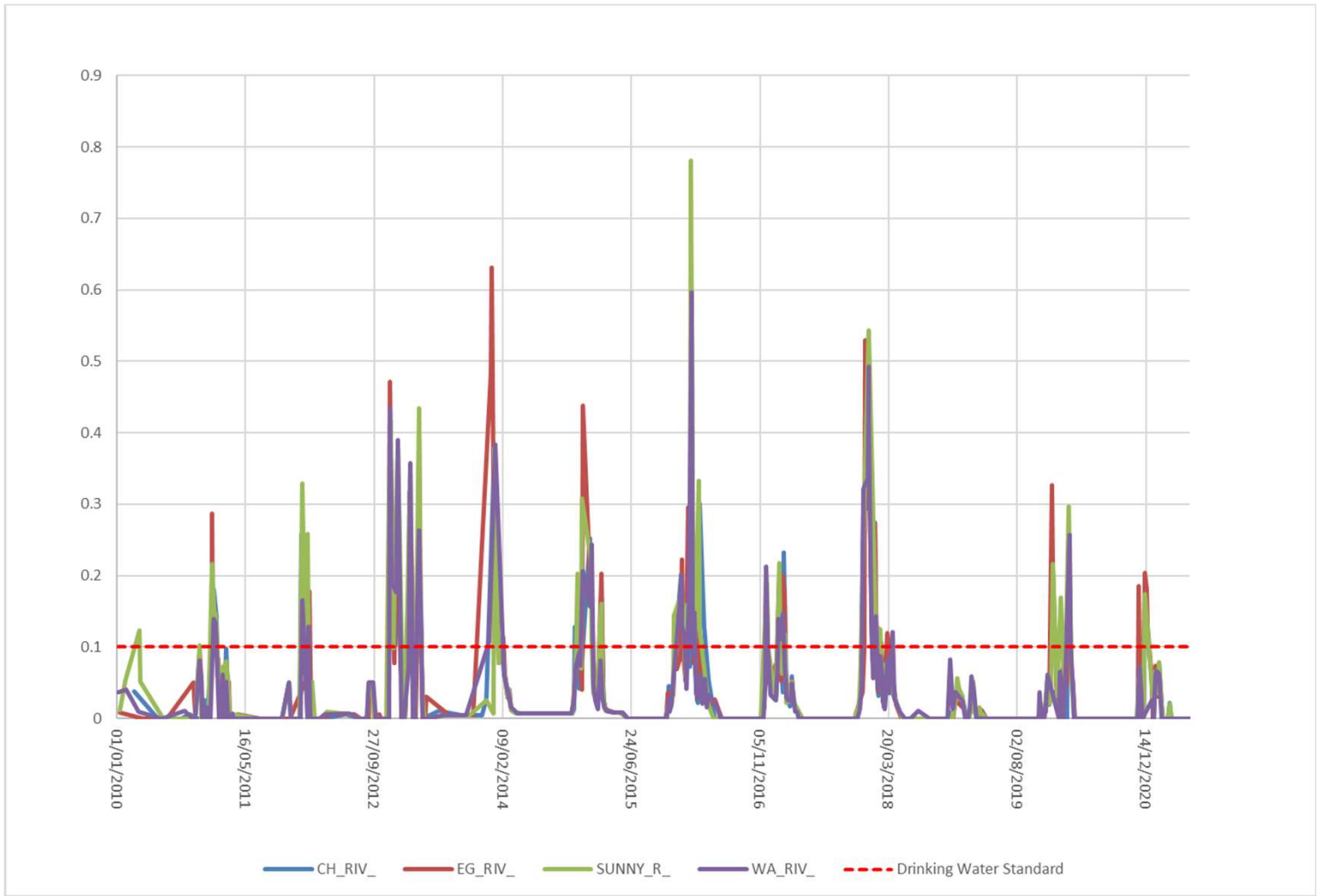


15

Companies  
reporting



# Affinity Water – River Thames propyzamide 2010 - 2021



# Propyzamide challenge for water companies

## National Perspective - Sept 20 to Apr 21:

- **185 detections** above drinking water standard ( $0.1\mu\text{g/l}$ )
- Highest concentration =  $17.39\mu\text{g/l}$

## Case Study: Grafham Reservoir

- Volume 57.8 million  $\text{m}^3$
- 1,069,944 million direct customers + supply companies
- Abstract up to circa 400Ml per day from River Great Ouse

## Demand Challenge

- Covid-19 has significantly increased consumption
- Supply company demand
- Consumption equivalent to peak summer demand



# Propyzamide: Case study

## Scenario:

- Reservoir:

10 Nov – 0.024 ug/l

22 Jan – 0.174 ug/l

- River Gt Ouse:

18 Jan – 4.71 ug/l

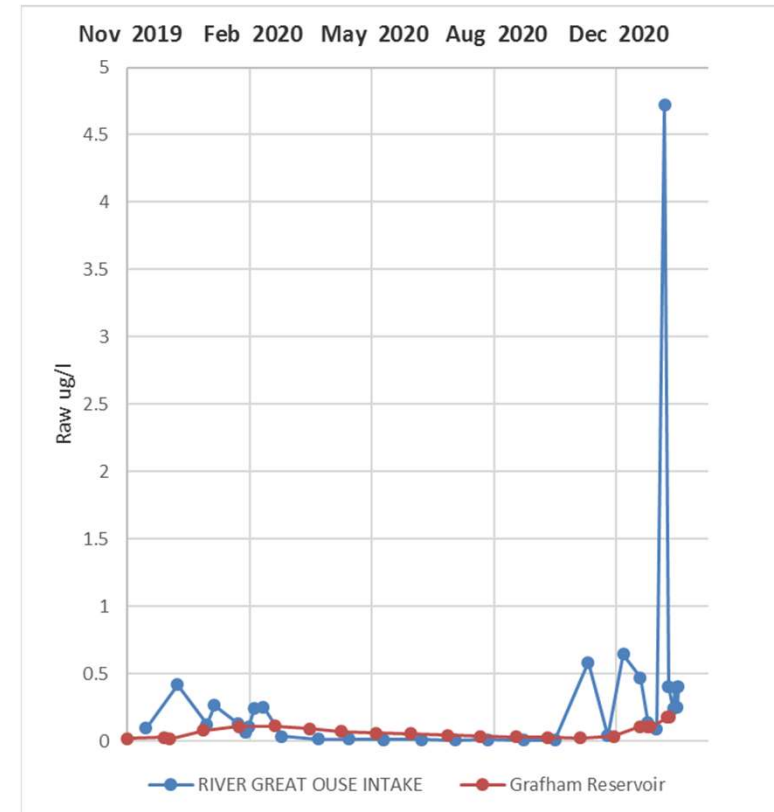
25 Jan – 0.239 ug/l

Heavy rain and snow forecast 29-31 Jan

29 Jan – 0.400 ug/l

## Options at the time:

- A) Quality: Don't pump and volume only restored by May 2021 (Spring drought risk)
- B) Volume: Pump and risk significant, long term, contamination of key national infrastructure



# Anglian Water propyzamide: 2015 - 2021

