

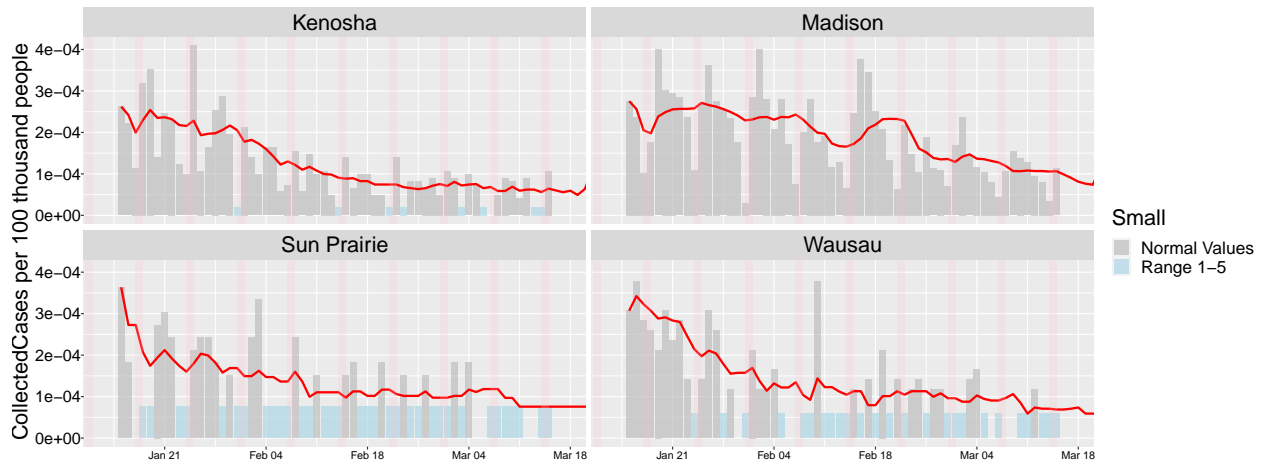
# WasteWater\_difficulties

Marlin

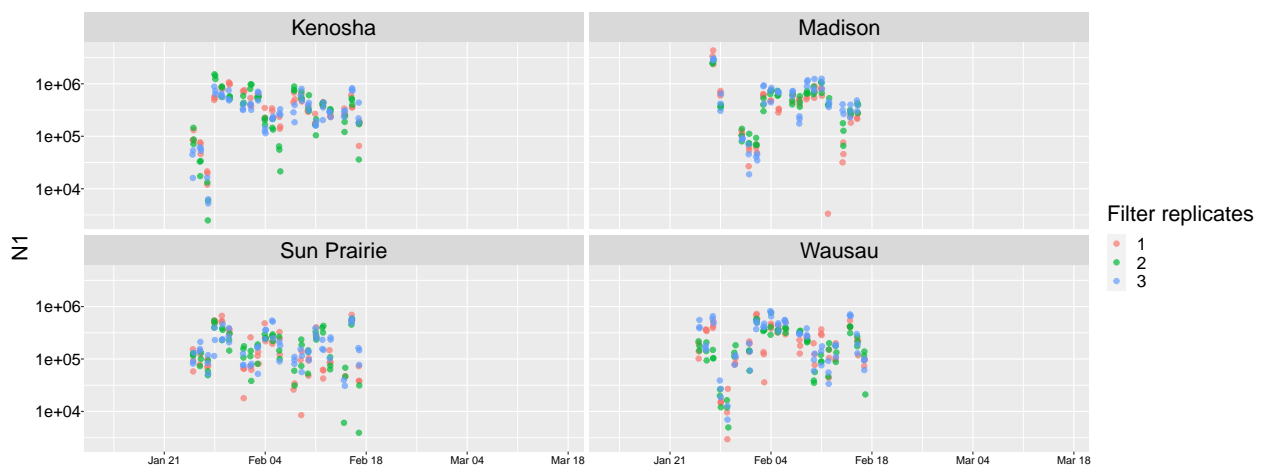
6/1/2021

Focus on HFG. Why? replicates and our best shot. (future: graphic and analysis computing, e.g. variances.

Cases: for Madison and Kenosha (and Sun Prairie + Wausau if they are plotted in PMMoV section. Points: larger pop avoids problematic small pop areas (low numbers have a lot of variance;  $1-4 \Rightarrow -999$ . also: relatively small sample size (relative to variance in case counts): short duration; some flowage districts have fewer observations. Describe plots of cases (or %positive): Unimodal: is there a trend? segmentation? can't say; Cases plot:

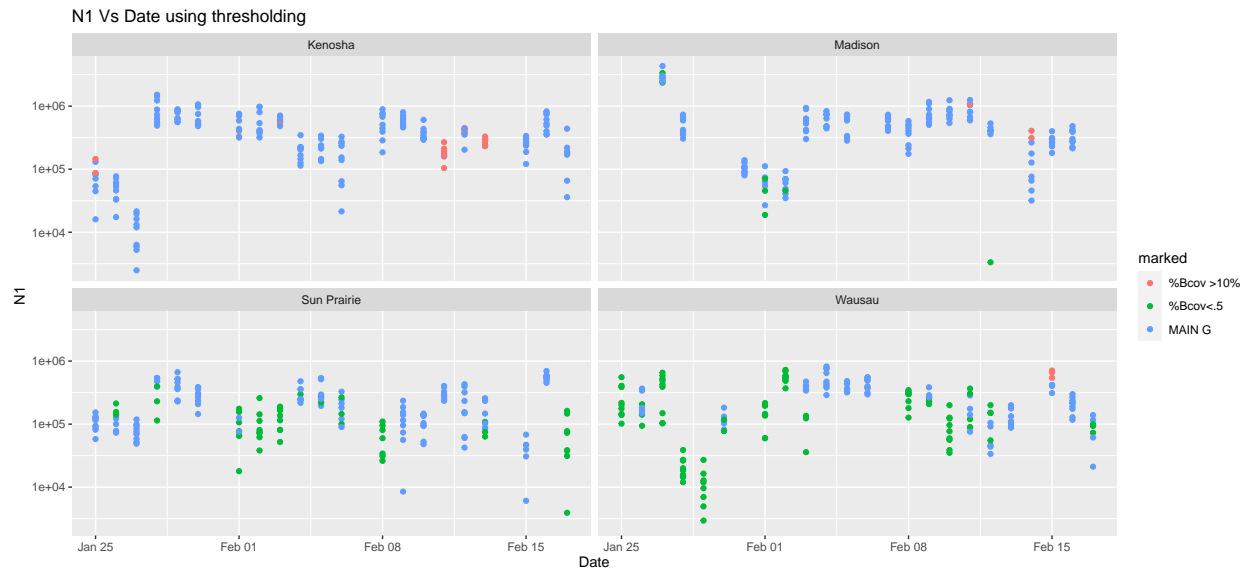


N1: left (and right?): outliers called out by Dagmara; action: ignore them. remaining dips: what are they: 3 interpretations: (a) real dip; (b) just chaotic quirky; (c) longer explanation: 9 replicates have low var; OK good experiment; good benchwork. now think about the stochasticity of the sampling process; you capture a liter of ww whose N1 concentration is a random variable. Plot: N1 for 2 or 4 welts.



%BoCov and PMMOV can we use these? answer: don't see how.

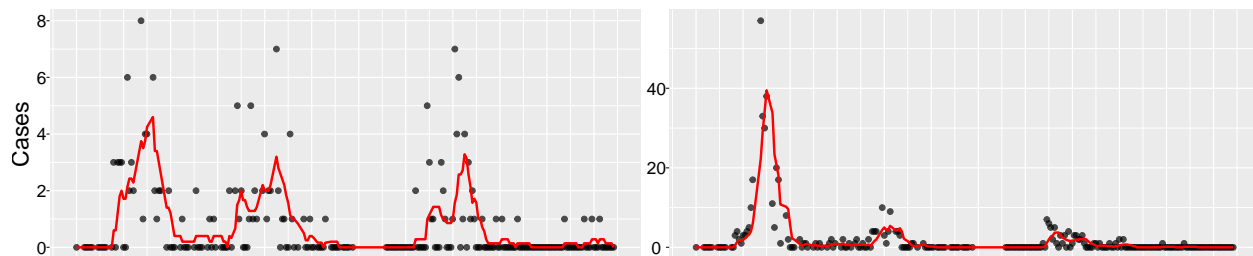
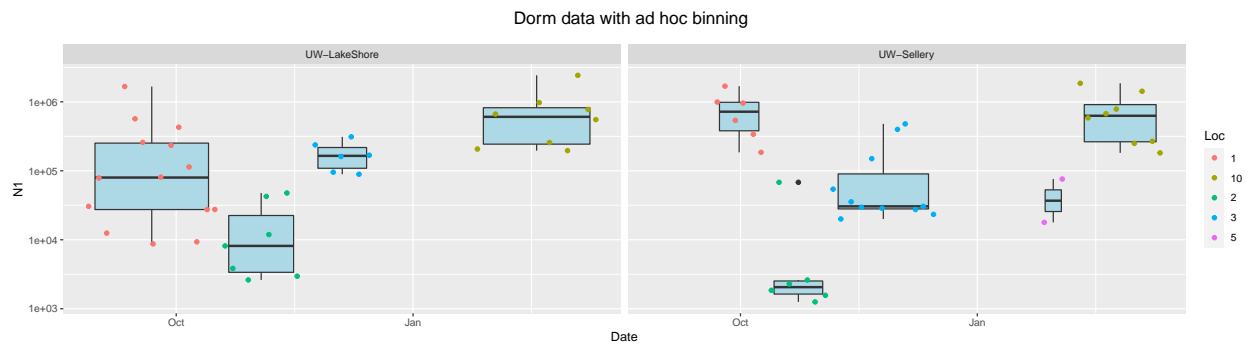




UW thresholding / box plots; (remove winter break)

Points are easily masked if we think they are unneeded

```
## <ScaleContinuousDate>
## Range:
## Limits: 1.85e+04 -- 1.87e+04
```



question to resolve: date off by one between MMSD and HFG; is it in the emails or READMEs?

HFG and Longitudinal data match

