

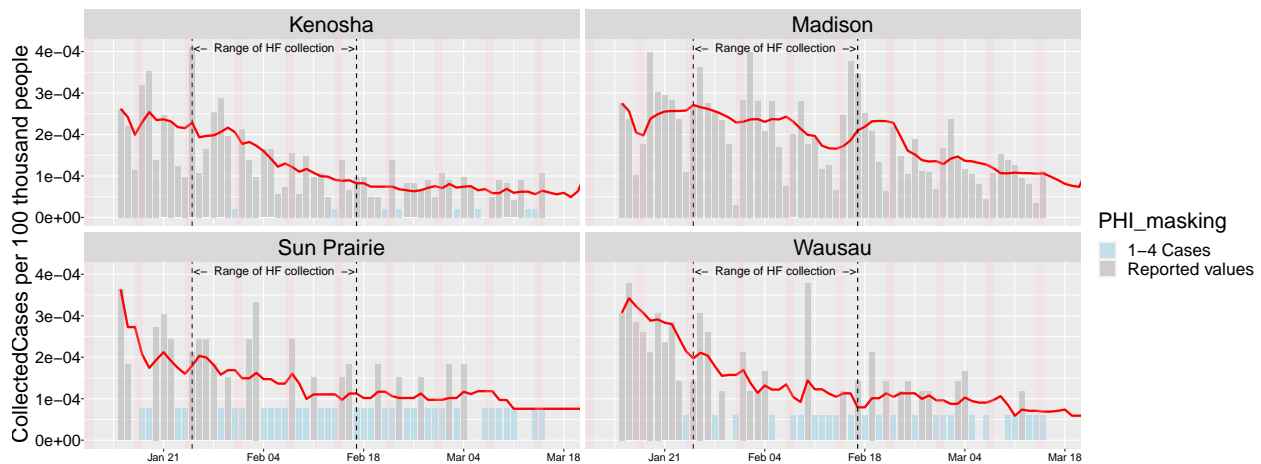
WasteWater Analyses

Marlin

6/1/2021

Focus on HFG. Why? replicates and our best shot.

Cases: 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:

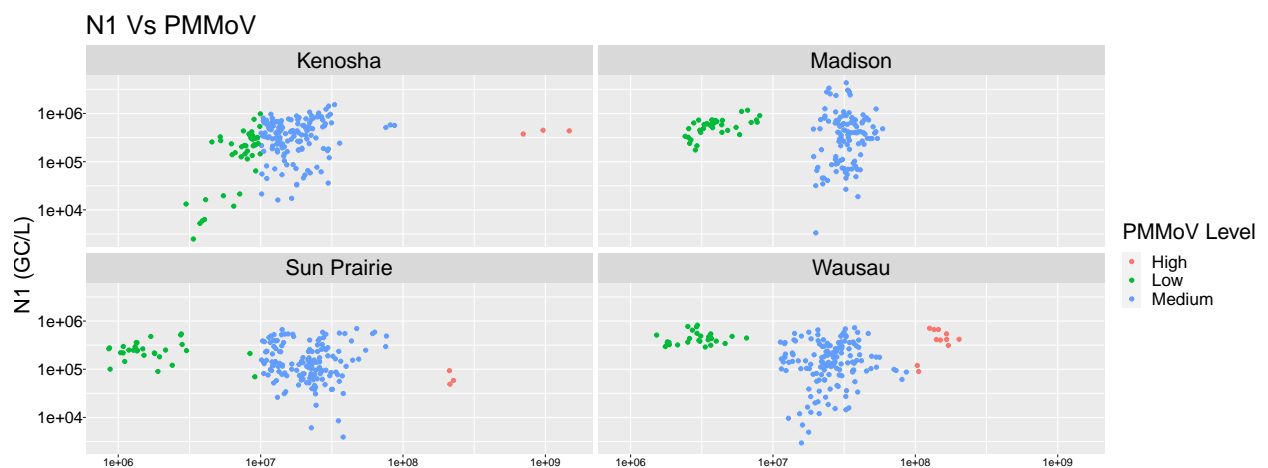


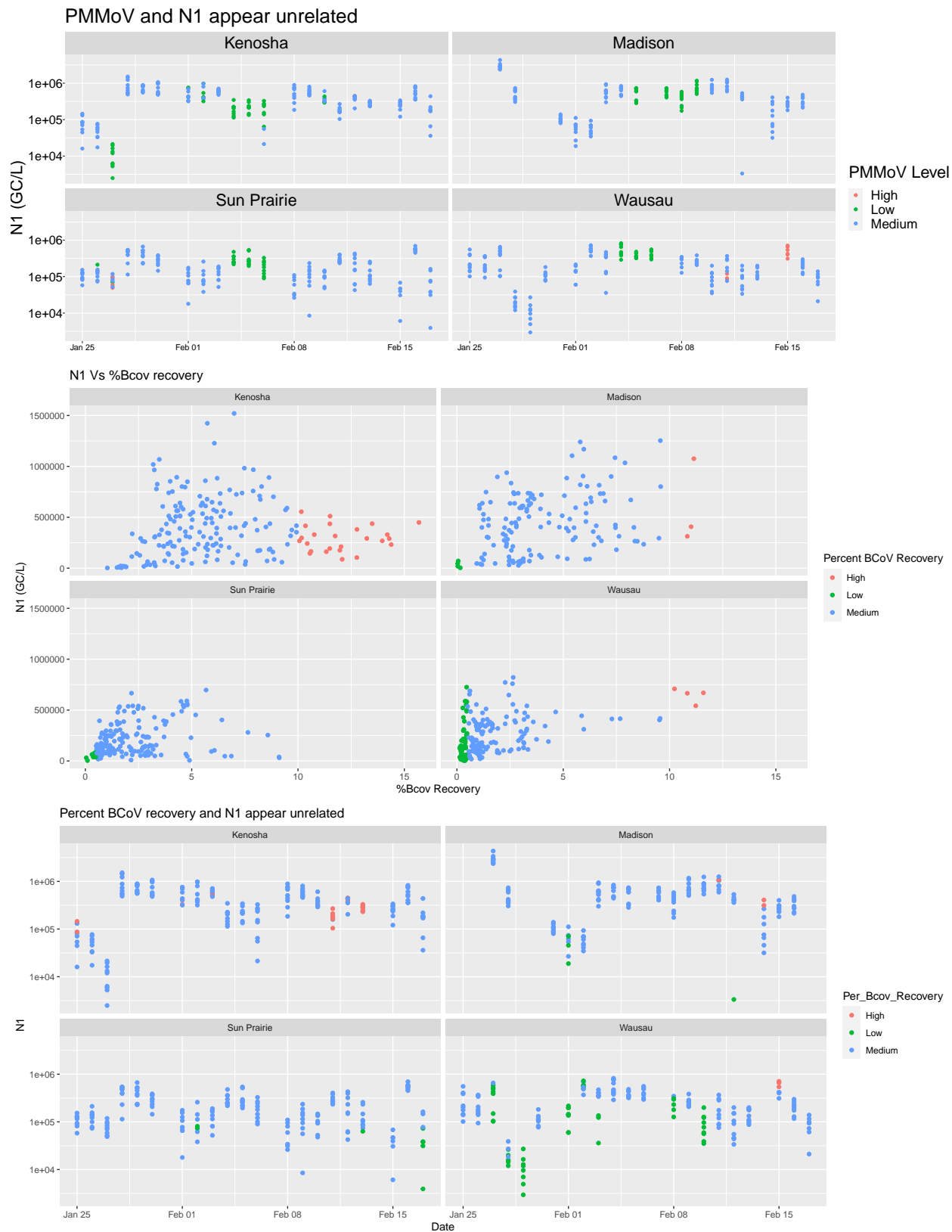
N1: left (and right?): outliers called out by Dagmara; action: ignore them. remaining dips: what are they: 3 interpretations:

- (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.



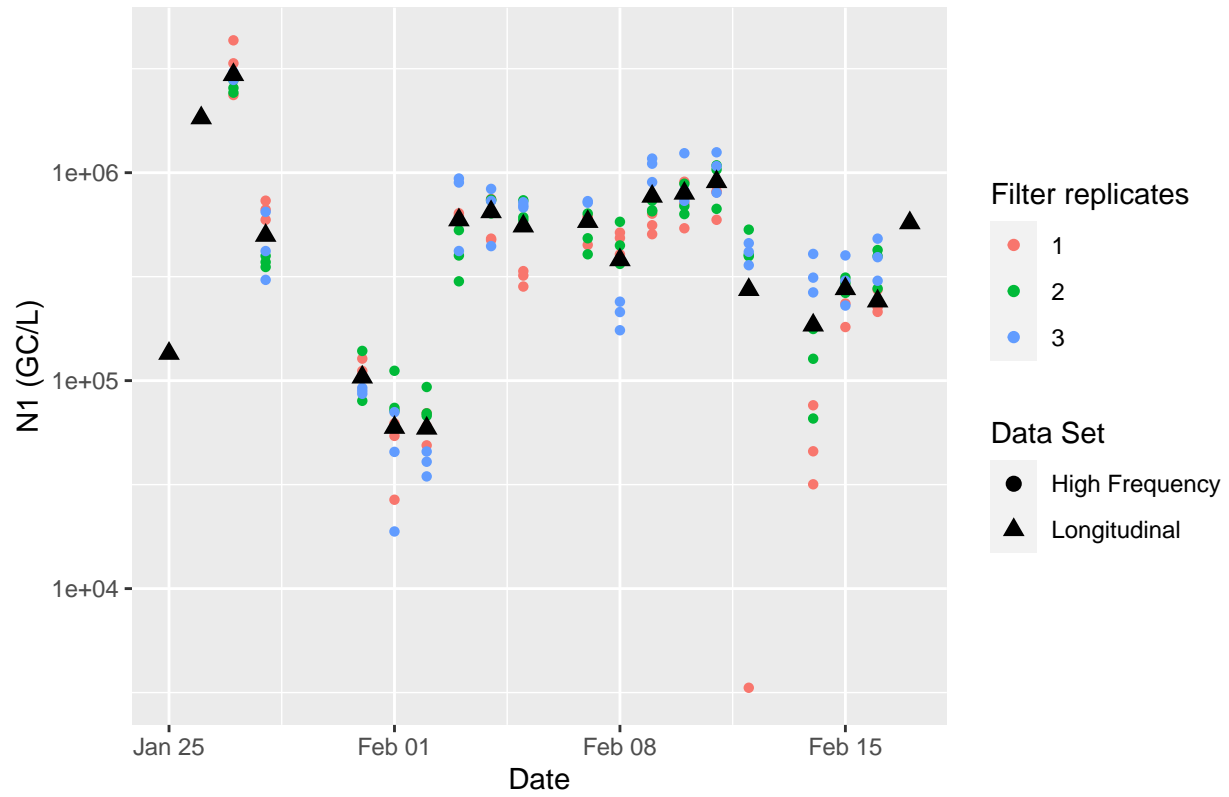
%BoCov and PMMOV can we use these? answer: don't see how.





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

HFG and Longitudinal data match



UW thresholding / box plots

Dorm data with ad hoc binning

