**Data:**

All data was downloaded from the Water Quality Portal in June 2020. Data from the [USGS SESQA](https://webapps.usgs.gov/rsqa/#!/region/SESQA) was assessed (samples collected over a 10 week period in spring/summer 2014).

**Sites**:

Ellerbe Creek/Gorman: a site downstream of Durham, NC and a wastewater treatment facility. Watershed dominated by urban land (~75%).

Flat River/Dam: downstream of a dam where drinking water is sourced. Watershed dominated by forested (~55%) and agriculture land (~25%).

**Finding**: Many more organic contaminants detected in Ellerbe Creek site. However, even with existing state-of-the-art methods for analyzing water grab samples, high variability in concentration of organic contaminants lead to high rates of non-detect for pesticides (~50%), pharmaceuticals (~25%), and industrial byproducts (~25%) (Figure 1B).

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*Figure 1. [A] Top organic analytes detected by USGS in Ellerbe Creek in June-August 2014. The site is downstream of downtown Durham, NC, and a release point for treated wastewater. [B] Proportion of measurements, below detection limit, for analytes detected by USGS.4*

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