CONDITIONS IN LONG CREEK



A Maine urban stream



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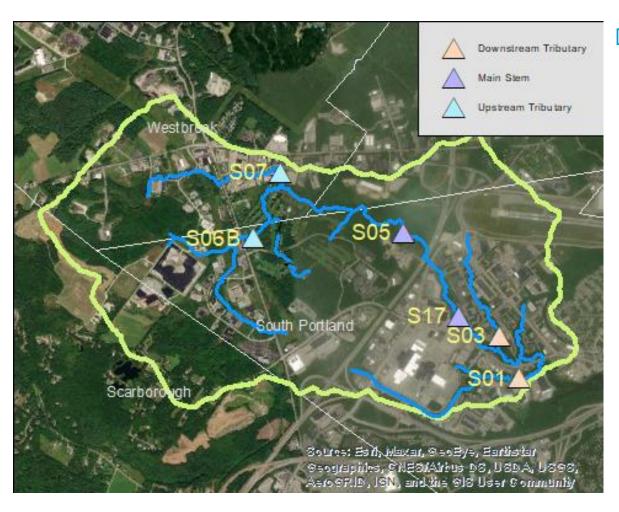
Long Creek Monitoring

- Long CreekWatershedManagement District
- □ 10 + years of data



Stream Channel Restoration, 2019

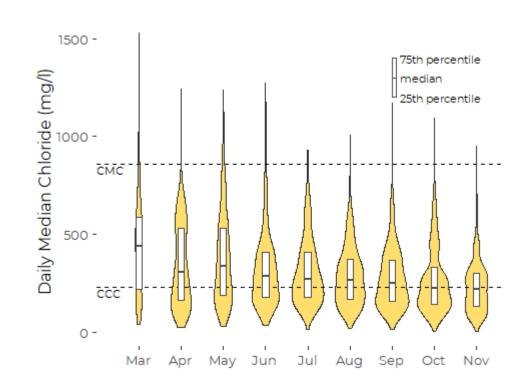
An Urban Watershed



- Sondes at six "primary"locations
 - 9 to 10 monthsa year
 - Temperature
 - Conductivity
 - Oxygen

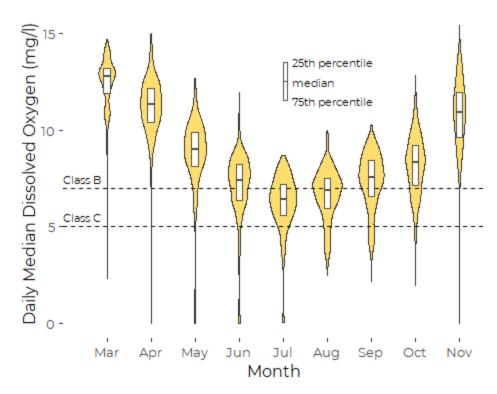
Chlorides

- Conditions are worse downstream
- Often above chronic exposure thresholds
- Chlorides reflect IC
- Highest in spring



Dissolved Oxygen

- □ Low oxygen
 - Upstream
 - Low flow
 - Hot weather



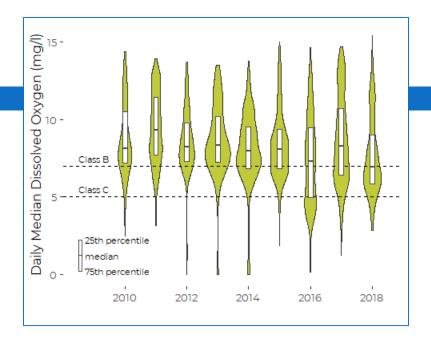
Class B: DO > 7 mg/l, Class C: DO > 5 mg/l

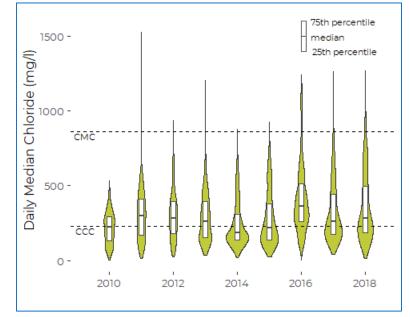
Trends

- Dissolved oxygen
 - Conditions trending downward
 - 2016 and 2018 bad



- High year to year variability
- 2016 and 2018 bad
- Trend not robust





Challenges

Chronic elevated chlorides

Difficult summer conditions

Upper vs. lower watershed

