





Current Water Quality Trends in the Waccamaw Watershed

NC Volunteer Recognition Luncheon March 9, 2015





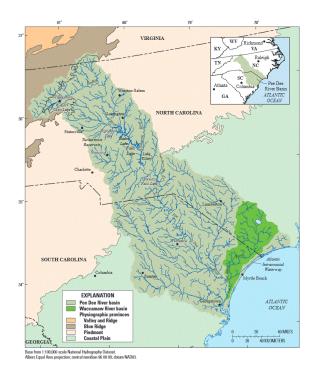


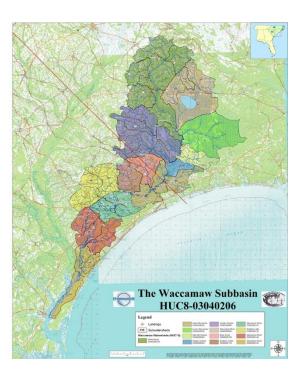


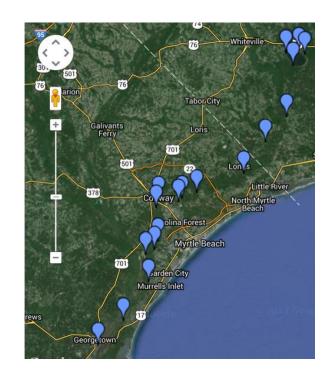






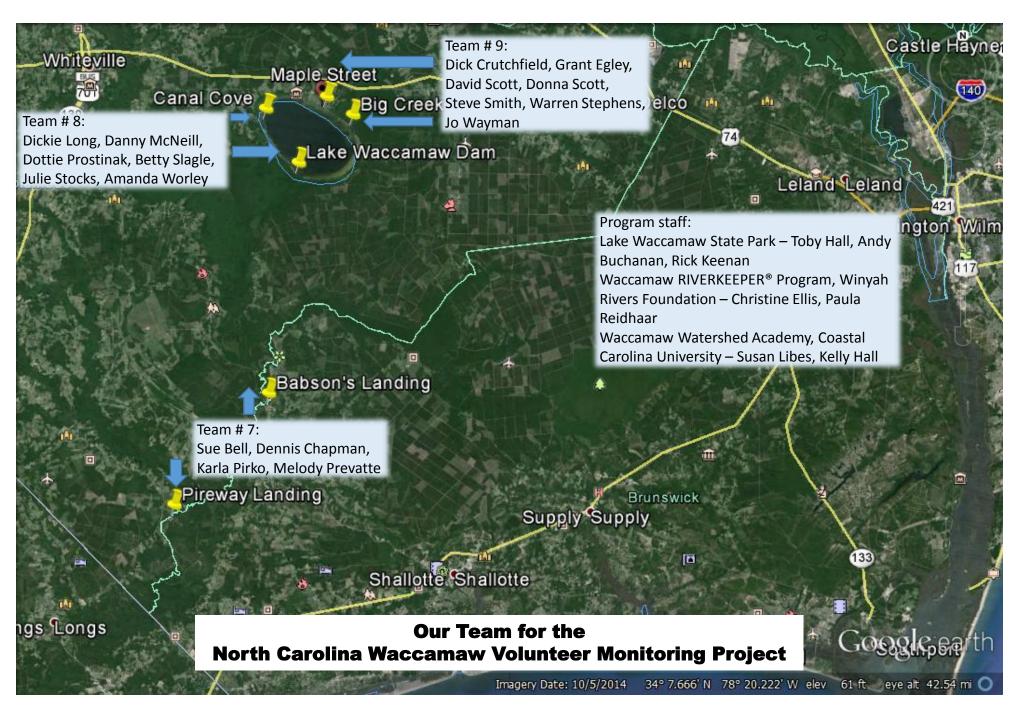






TODAY'S TOPICS:

- Data collected to date
- Comparison of Lake to River
- Notable trends



Data from our awesome volunteers!

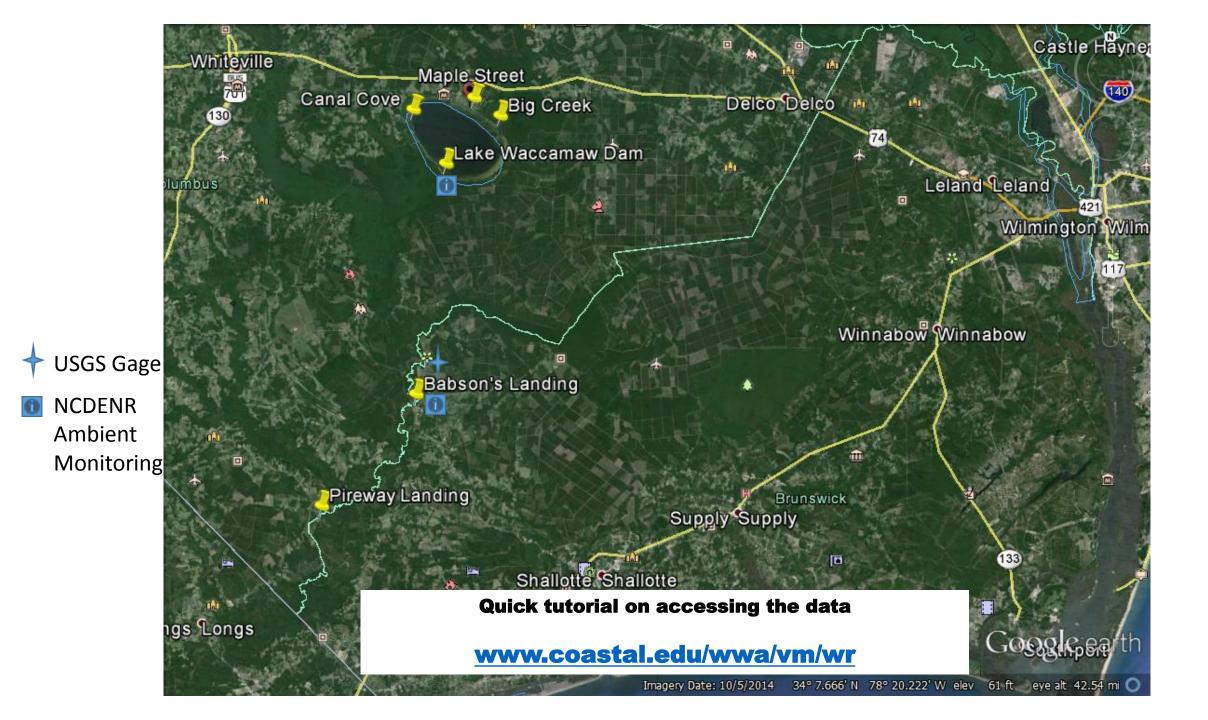
Lake Waccamaw
Team #9 (2 sites)
73 data sets/site

<u>Lake Waccamaw</u> <u>Team #8 (2 sites)</u> *73 data sets/site*

Waccamaw River
Team #7 (2 sites)
40 data sets/site

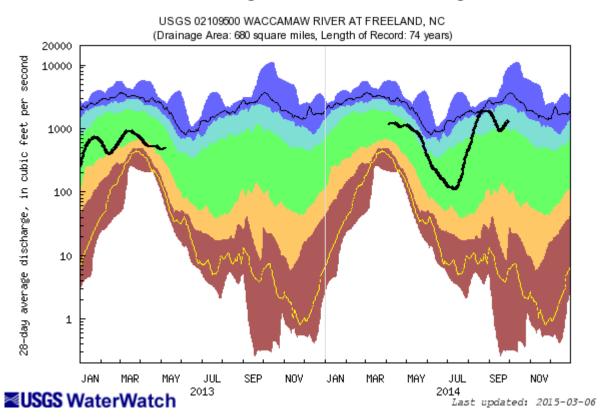
Waccamaw River
Teams #1-6 (12 sites)
>200 data sets/site

Honorable mention – Murrells Landing (Susan Libes' site) 2910 data sets since 1998!

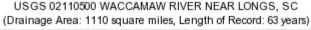


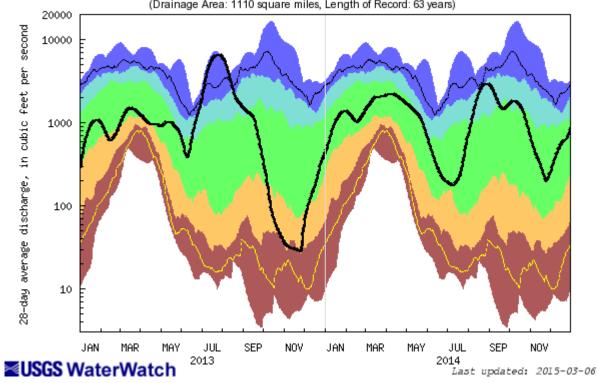
United States Geological Survey (USGS) Streamflow Duration Hydrograph

USGS Gage at Babson's Landing



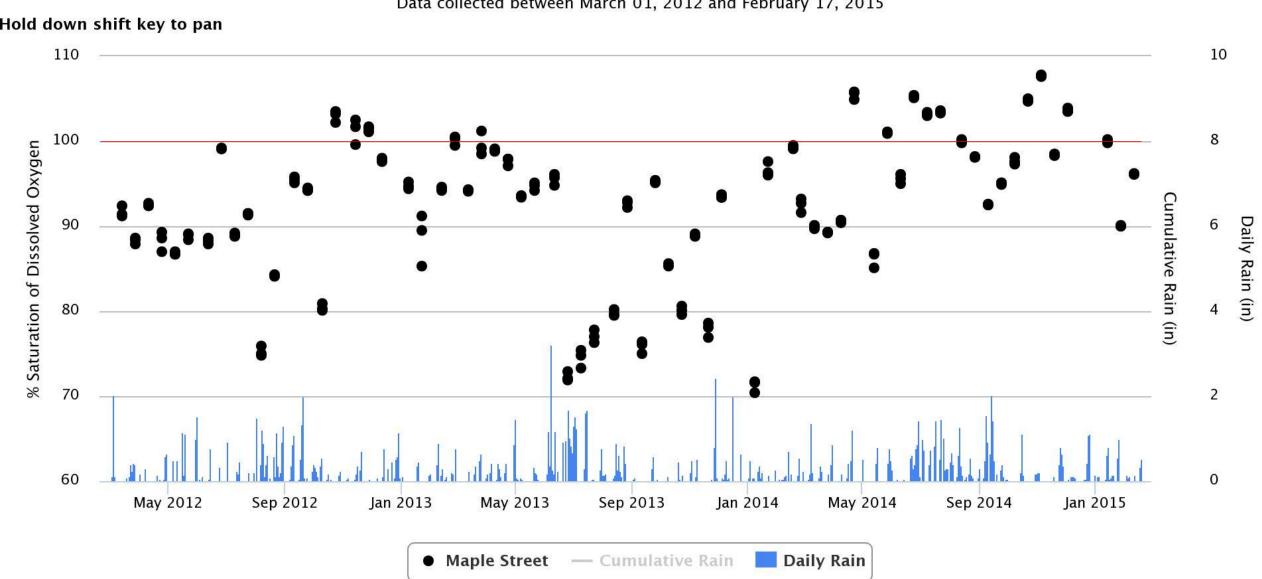
USGS Gage at Highway 9

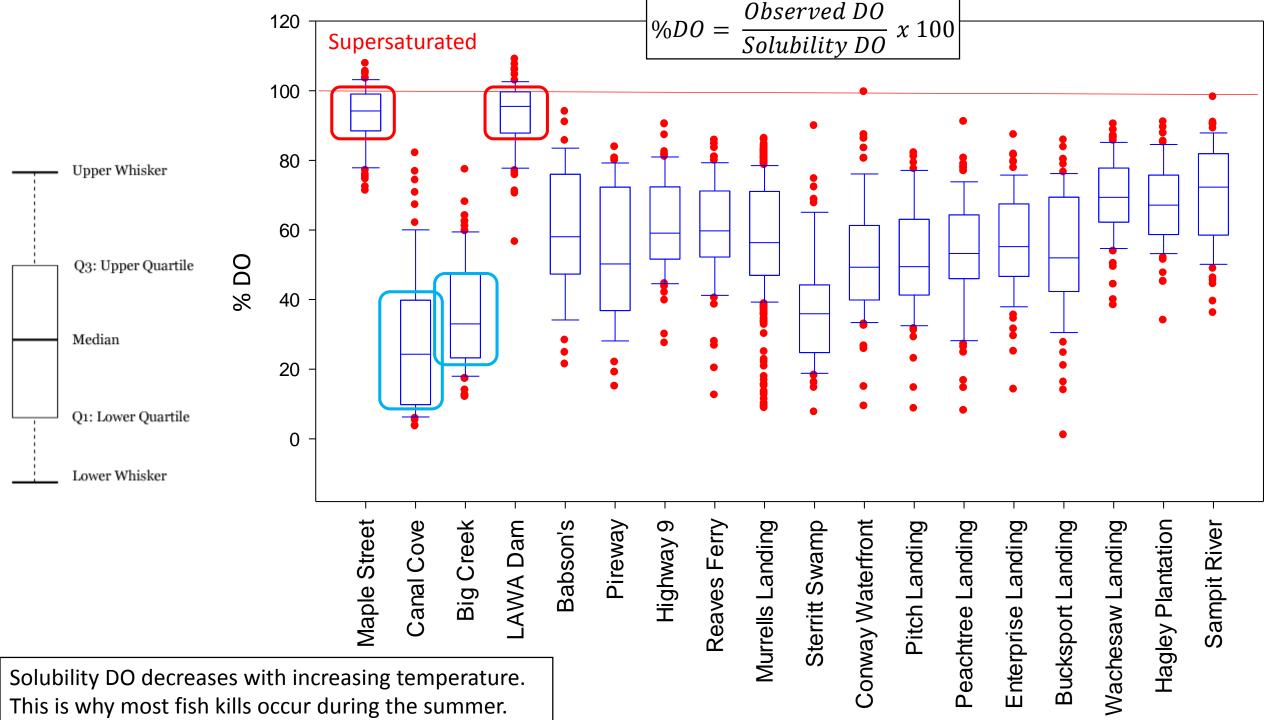


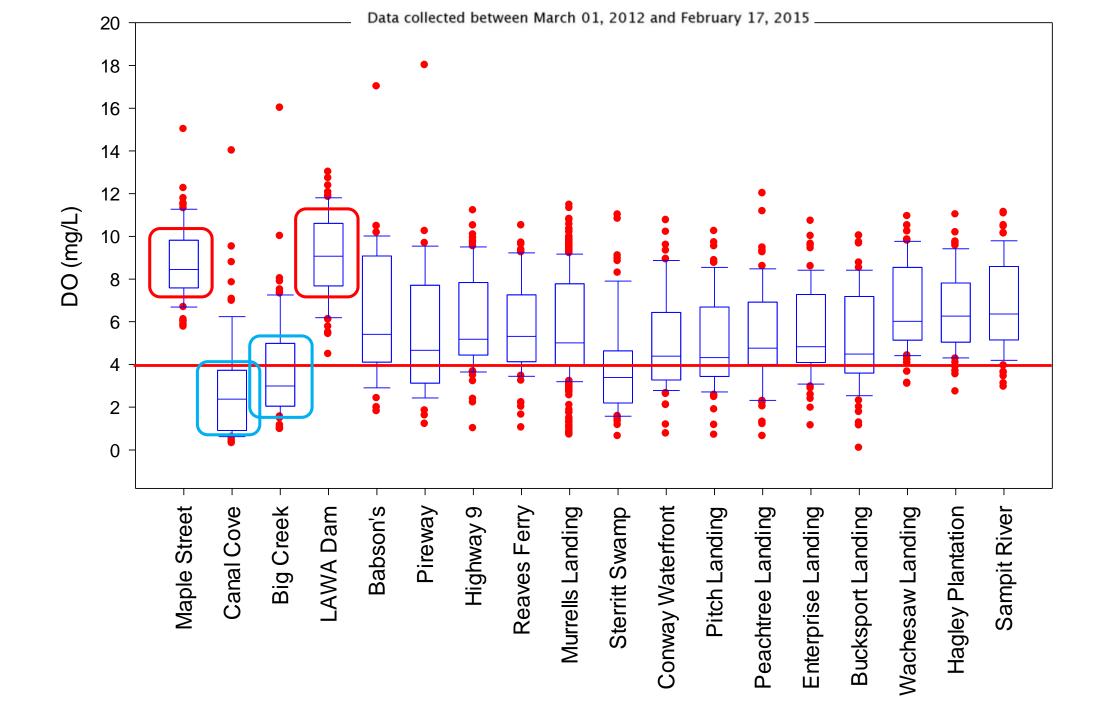


Explanation - Percentile classes					
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lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

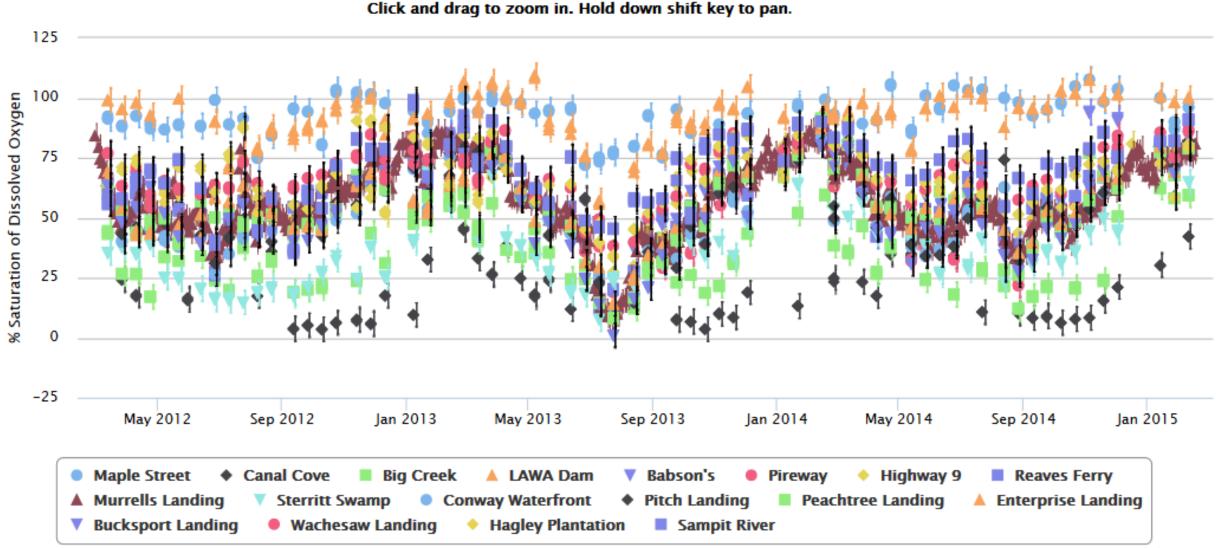
% Saturation of Dissolved Oxygen for Maple Street

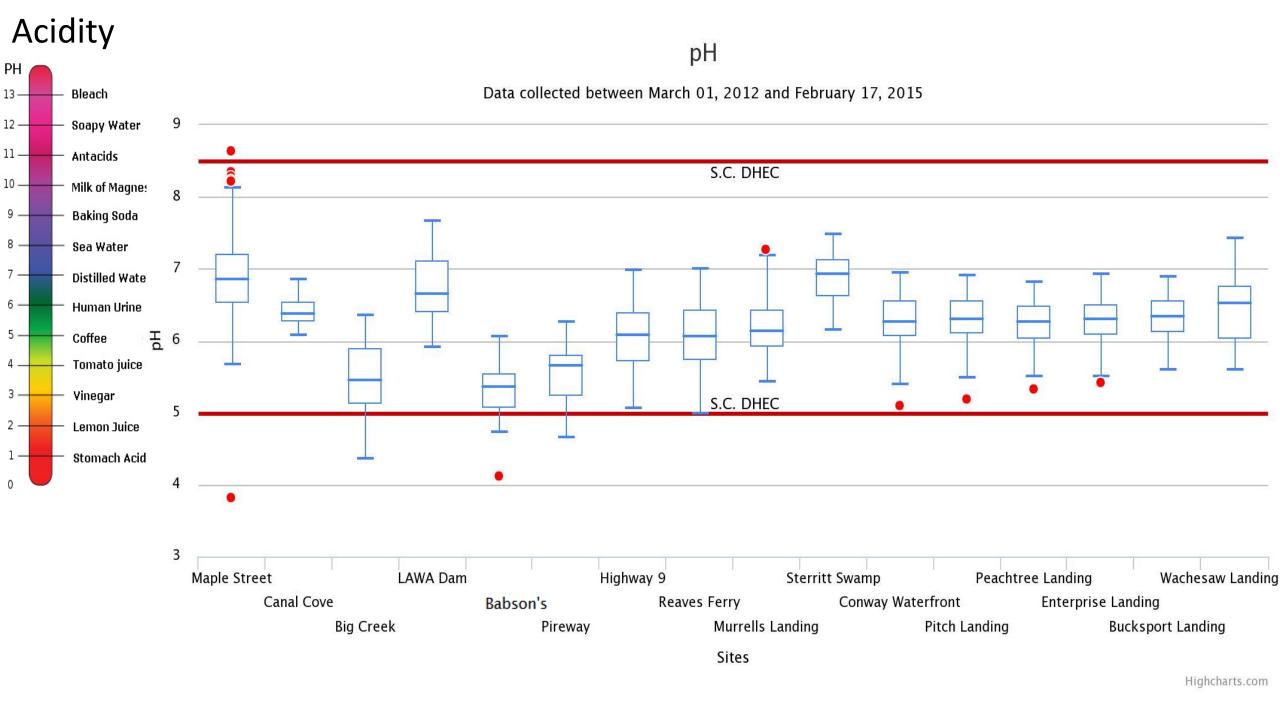


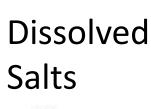




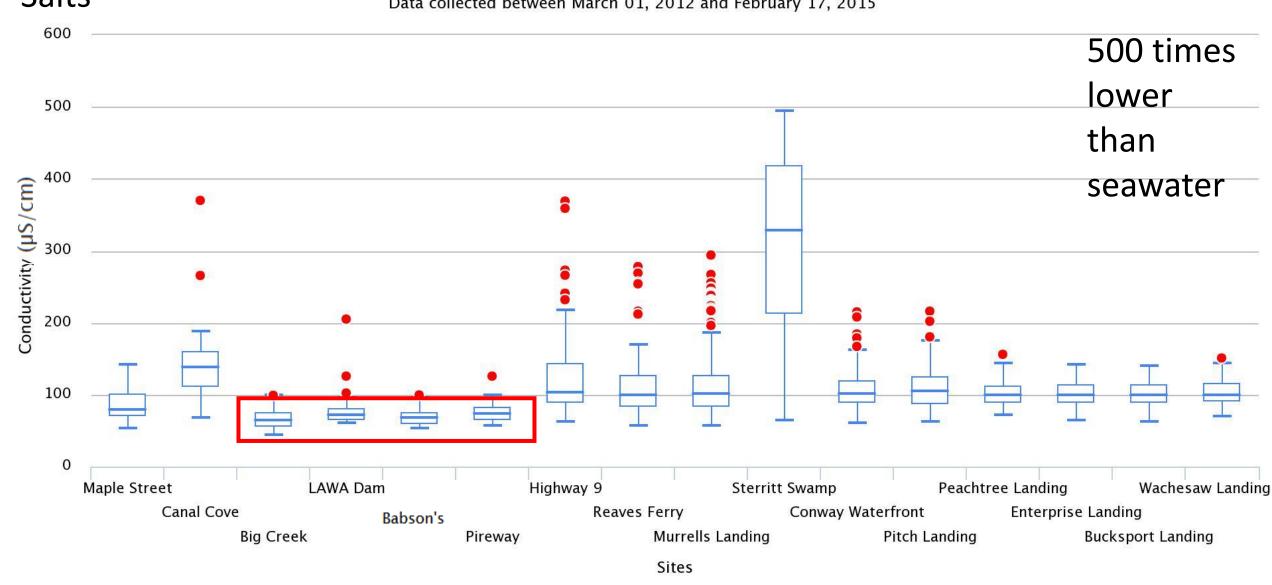
% Saturation of Dissolved Oxygen



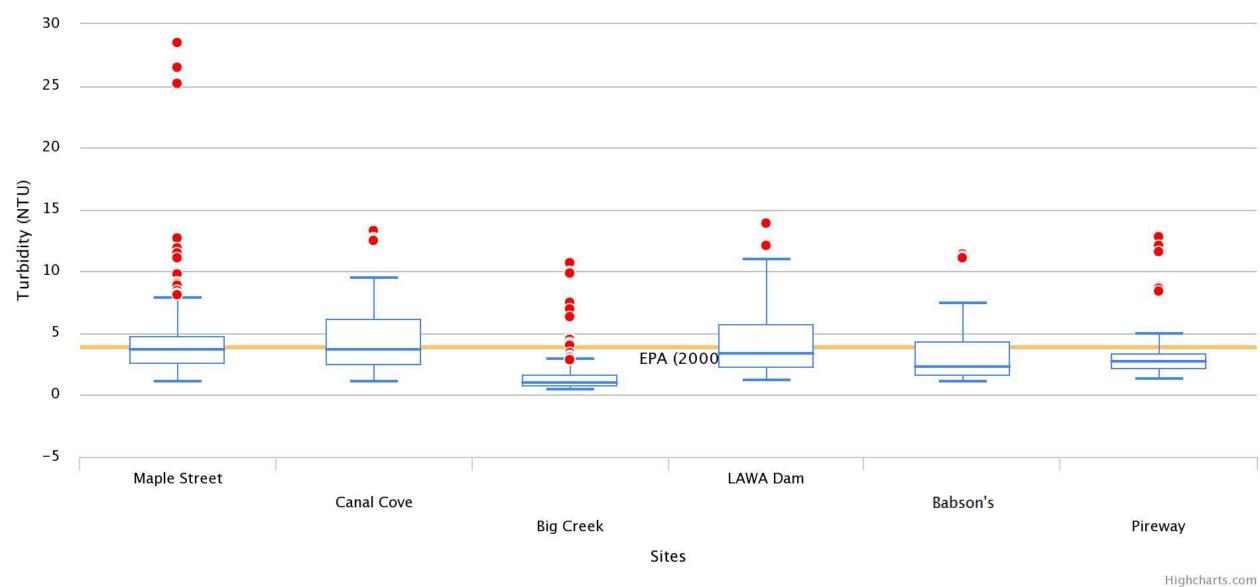




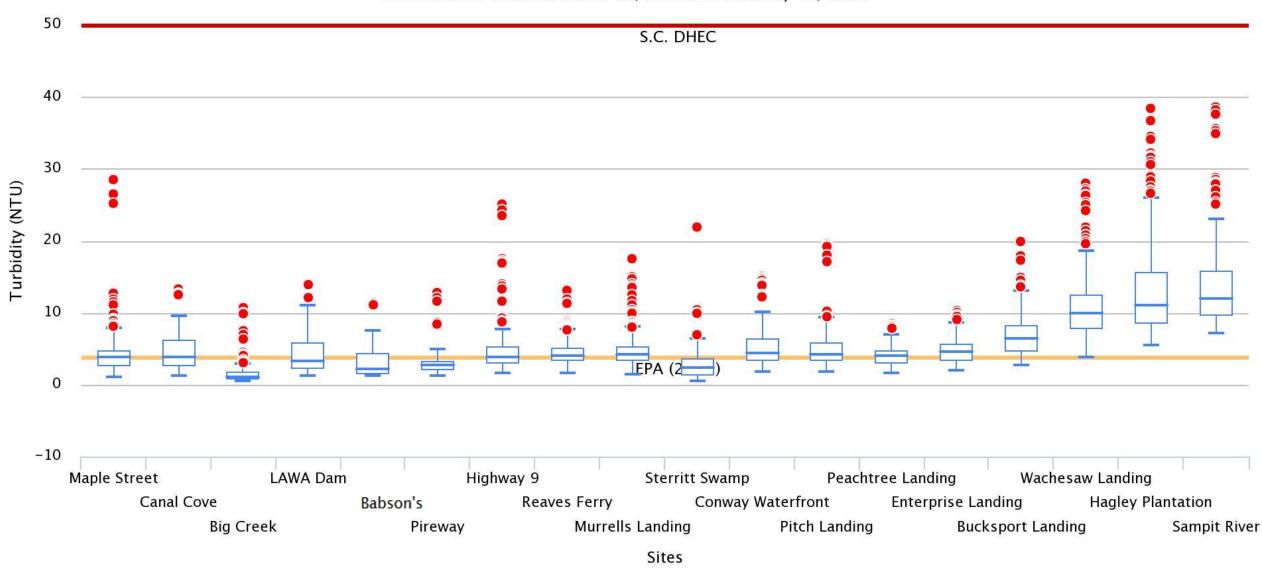
Conductivity (µS/cm)



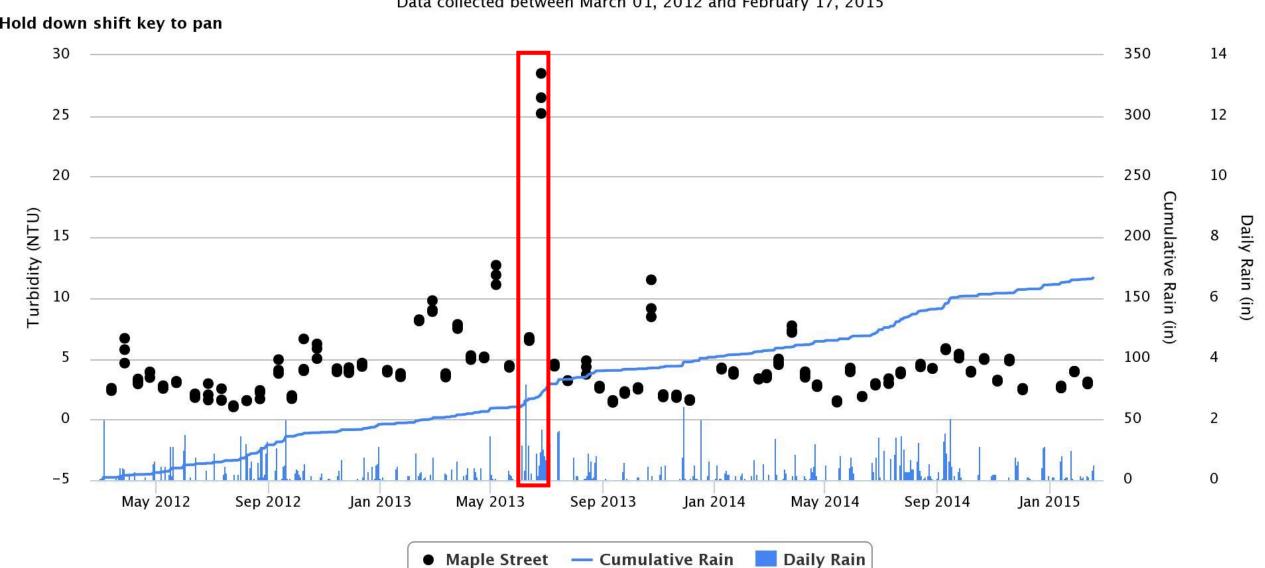
Turbidity (NTU)



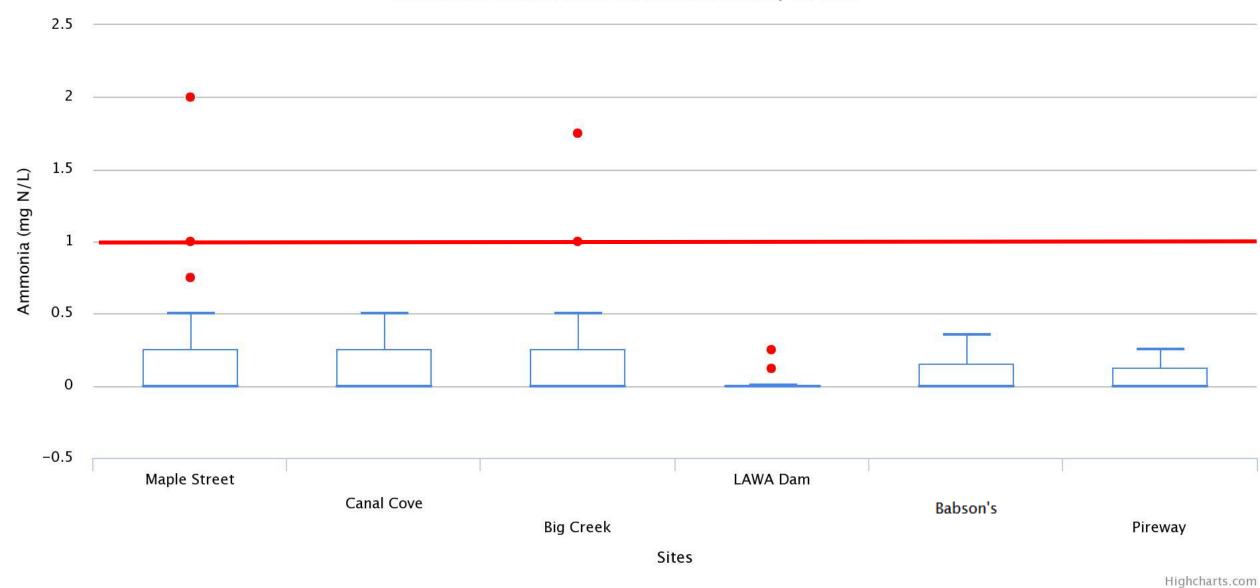
Turbidity (NTU)



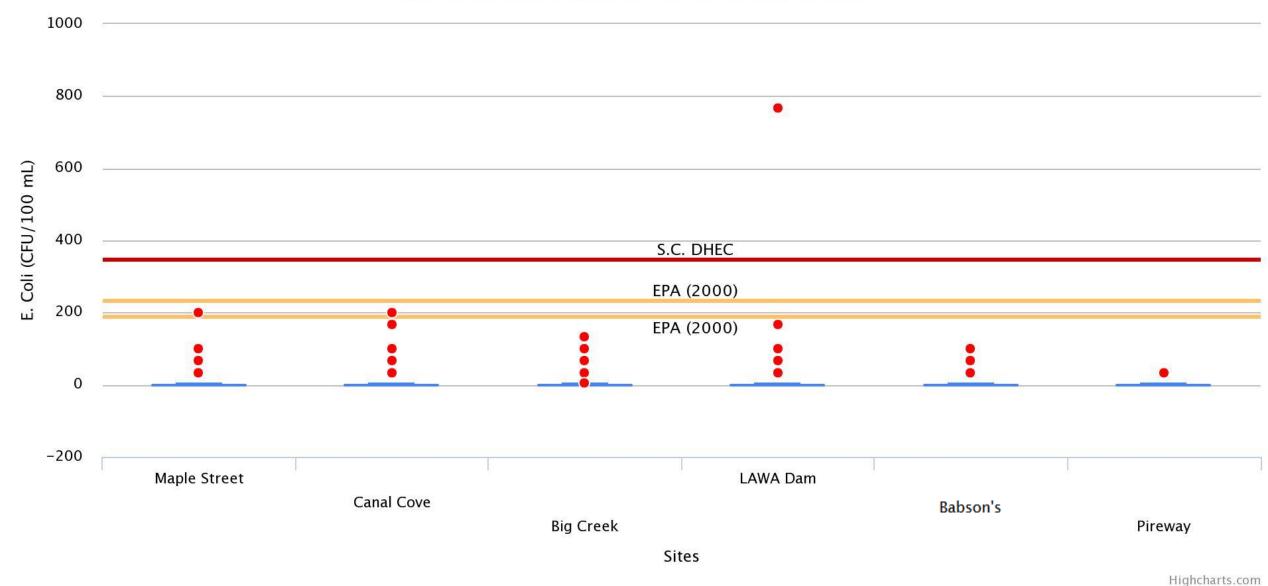
Turbidity (NTU) for Maple Street



Ammonia (mg N/L)



E. Coli (CFU/100 mL)



Comparison of VM Data to NCDENR Data (2012-2013)

