



Waccamaw River Water Quality Trends

Waccamaw River Volunteer Monitoring
Annual Data Conference

2014



Topics

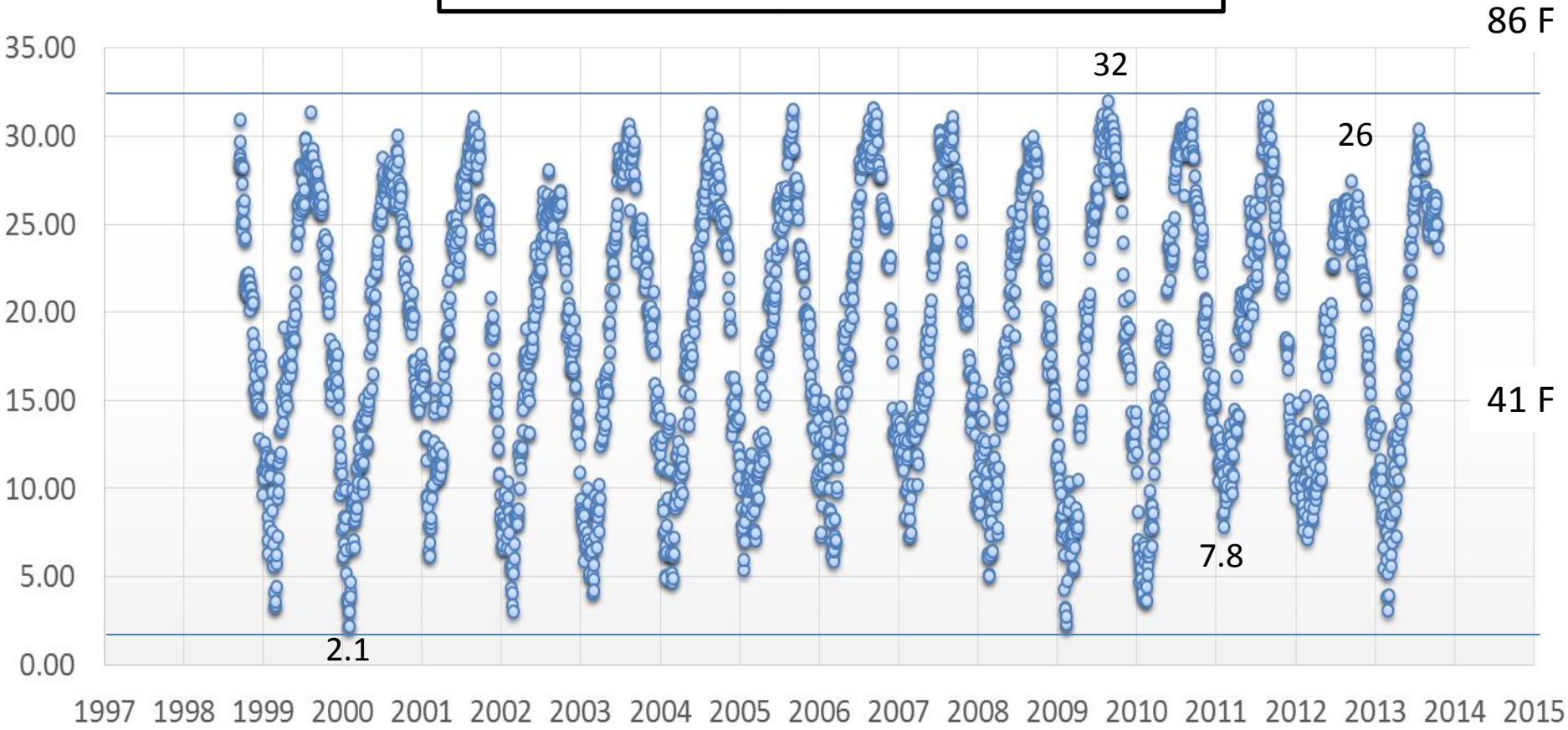
- Weather Recap
- Water level recap
- River comparison of NC vs SC
- Sterritt Swamp trends



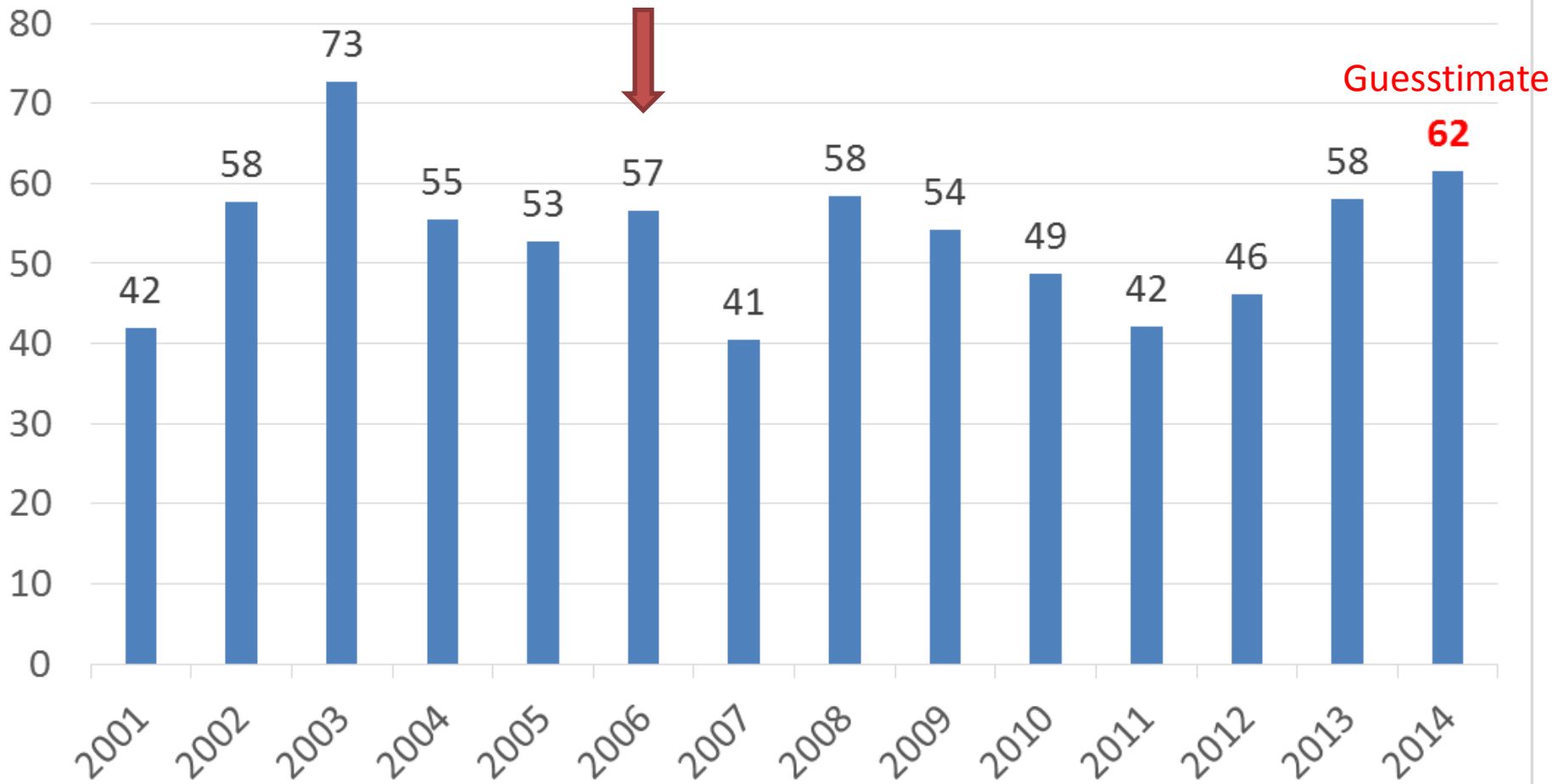
Weather

- Two ice storms
- Low temps in summer and winter
- Lots of rain
- Nearly got to flood conditions
- Color

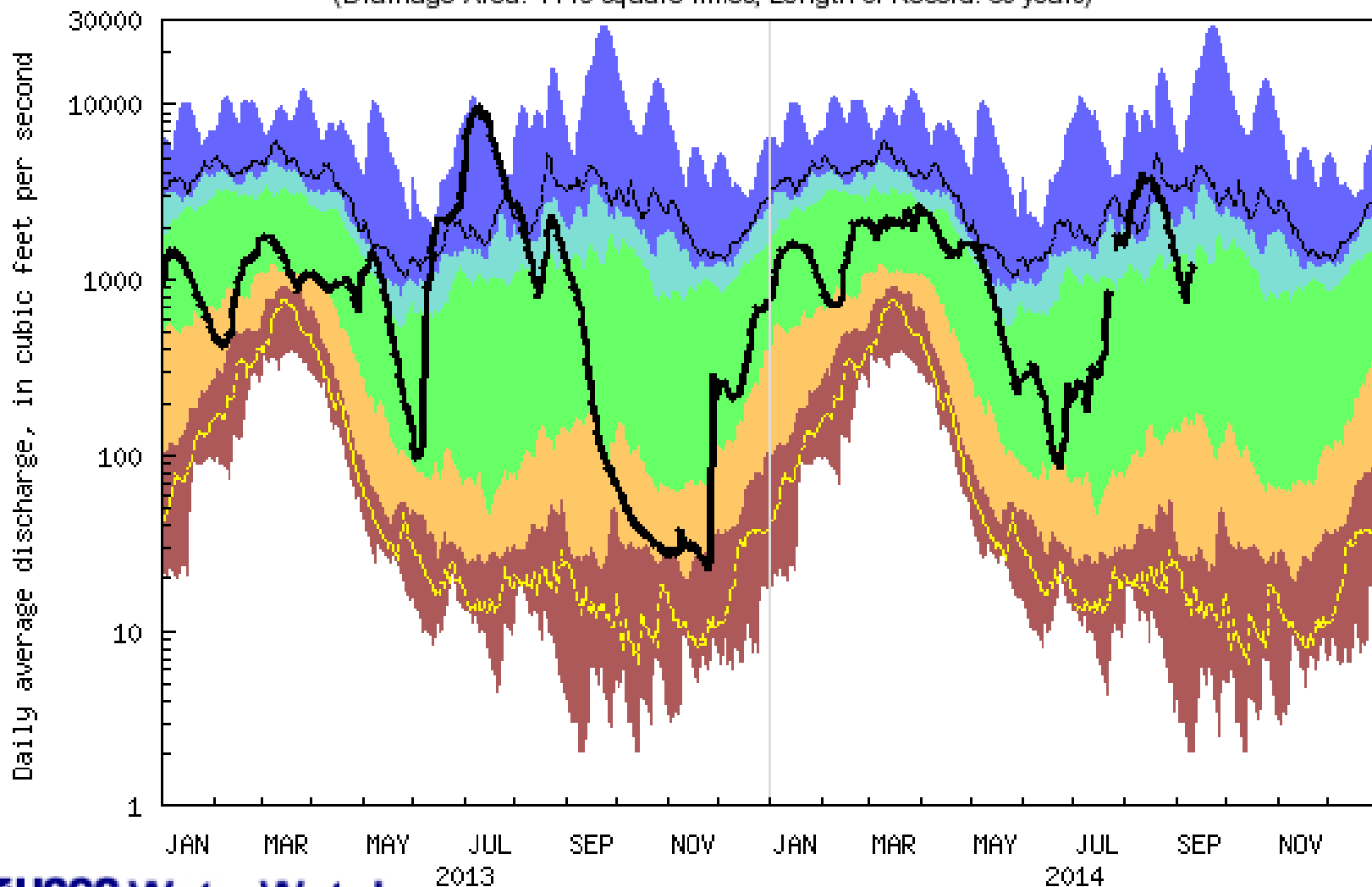
Water Temperature at Murrells Landing



Annual rain accumulation at Murrells Landing



USGS 02110500 WACCAMAW RIVER NEAR LONGS, SC
 (Drainage Area: 1110 square miles, Length of Record: 63 years)

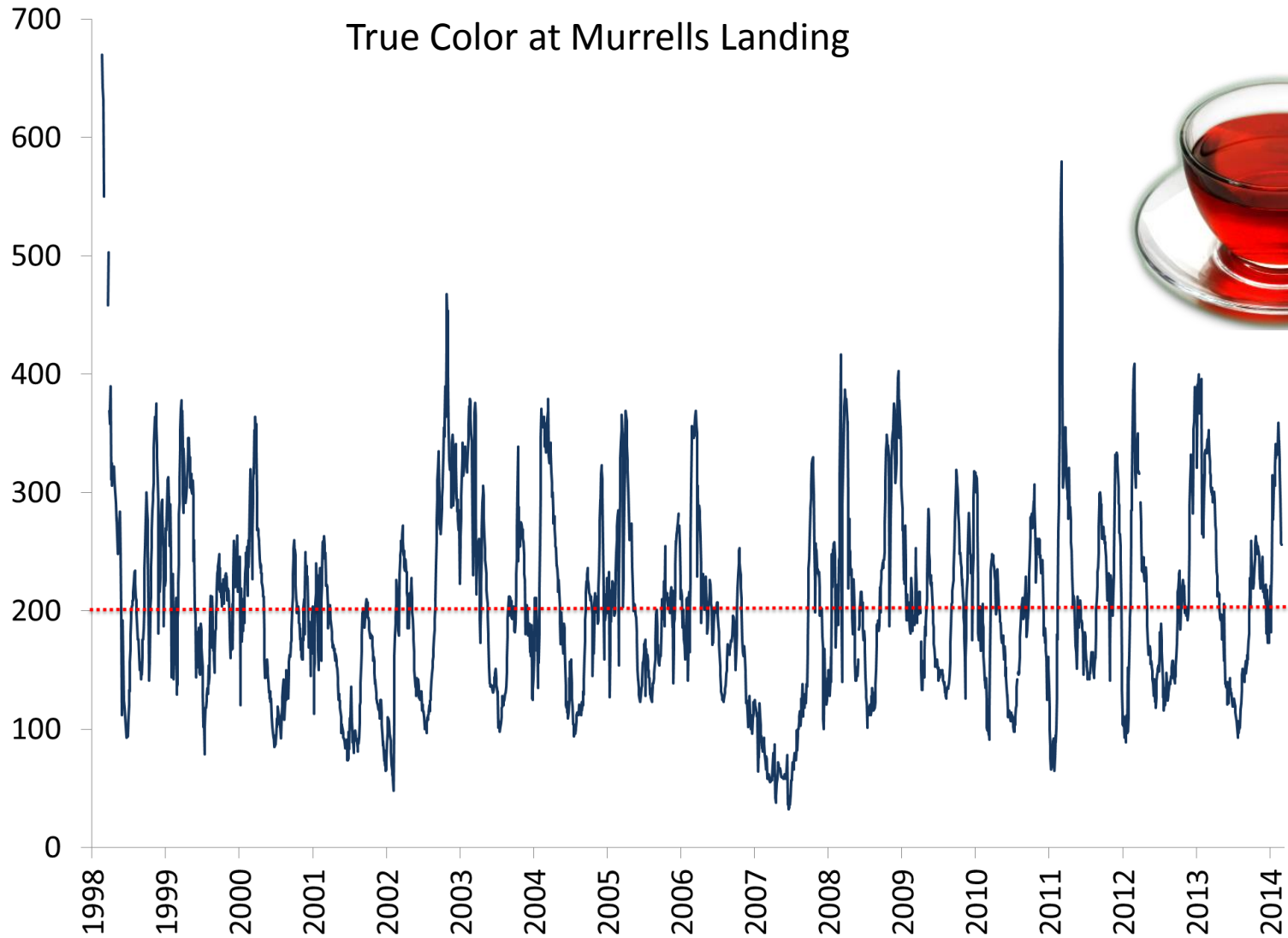


USGS WaterWatch

Last updated: 2014-09-13

Explanation - Percentile classes							
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal	Below normal	Normal	Above normal	Much above normal			

True Color at Murrells Landing



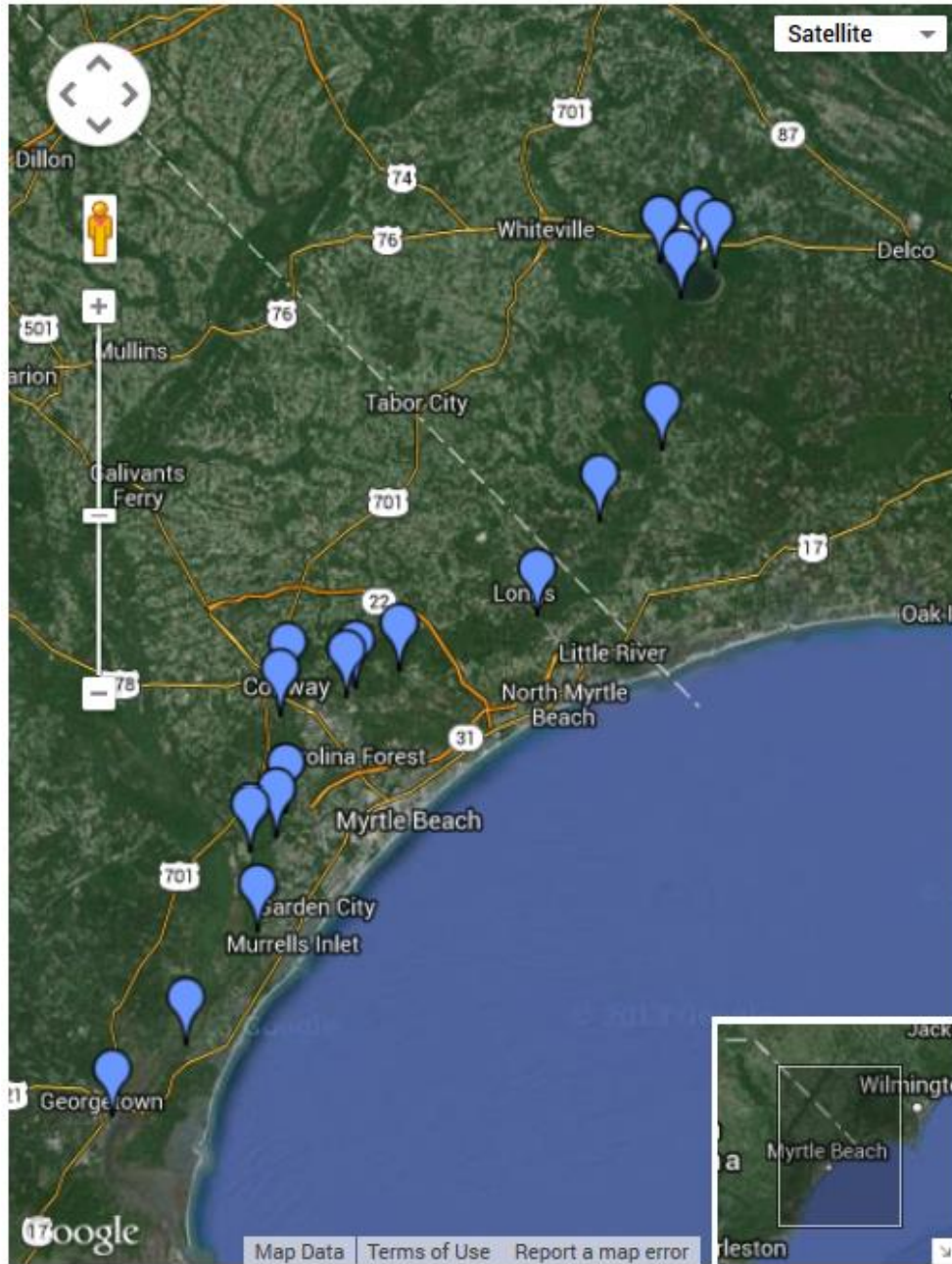
Sample numbers

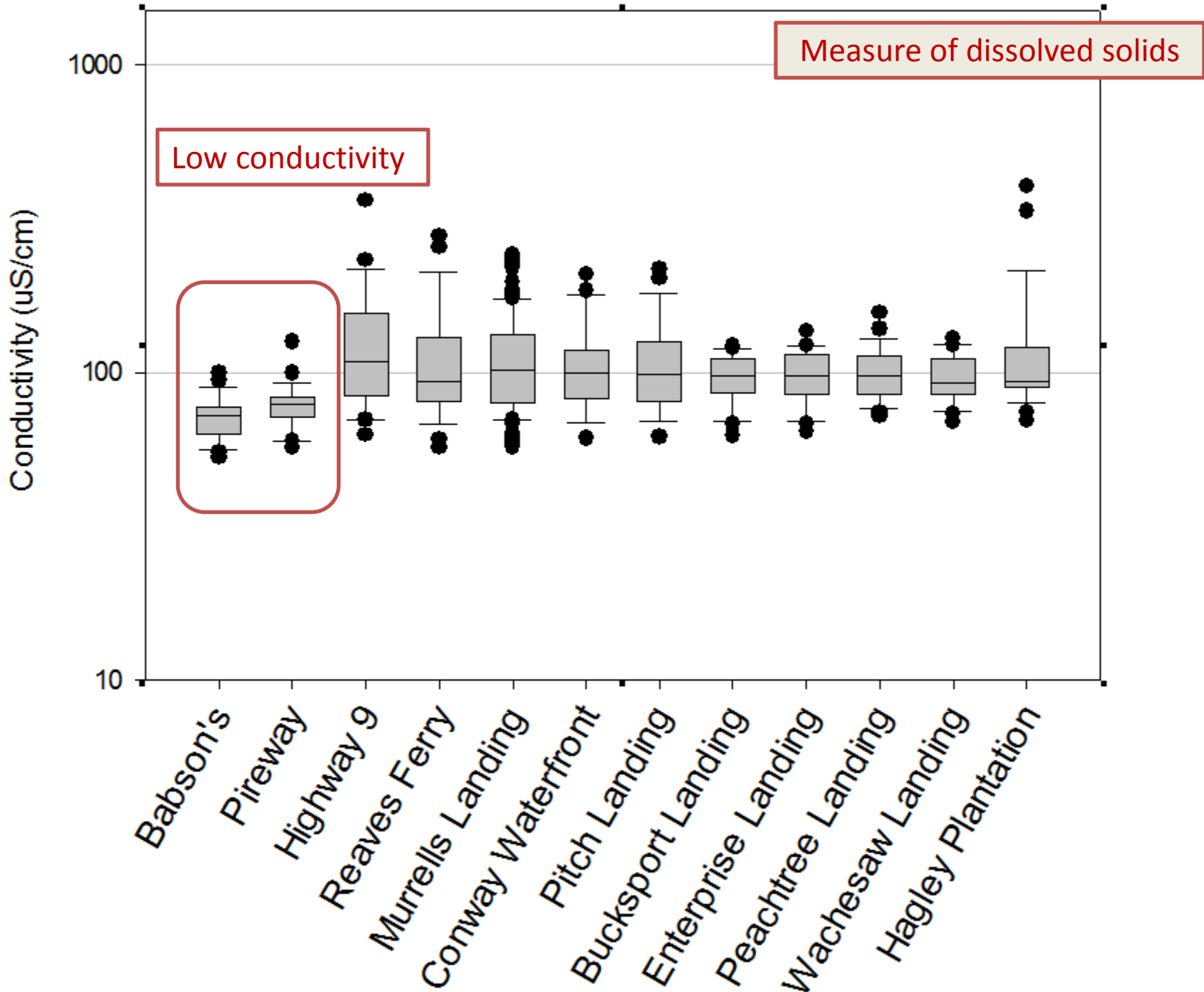
North Carolina (started 2013)

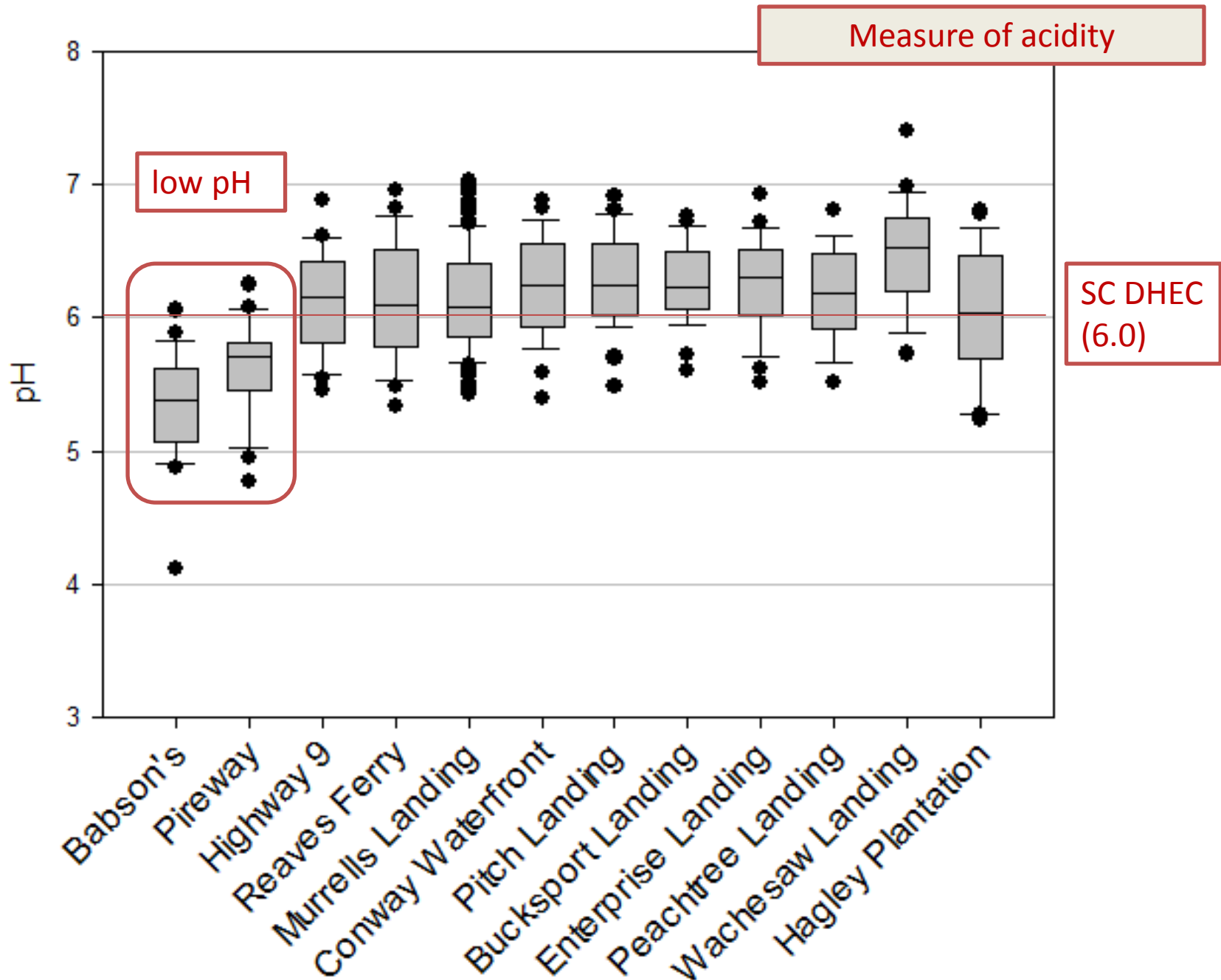
- Babson's Landing (24)
- Pireway (25)

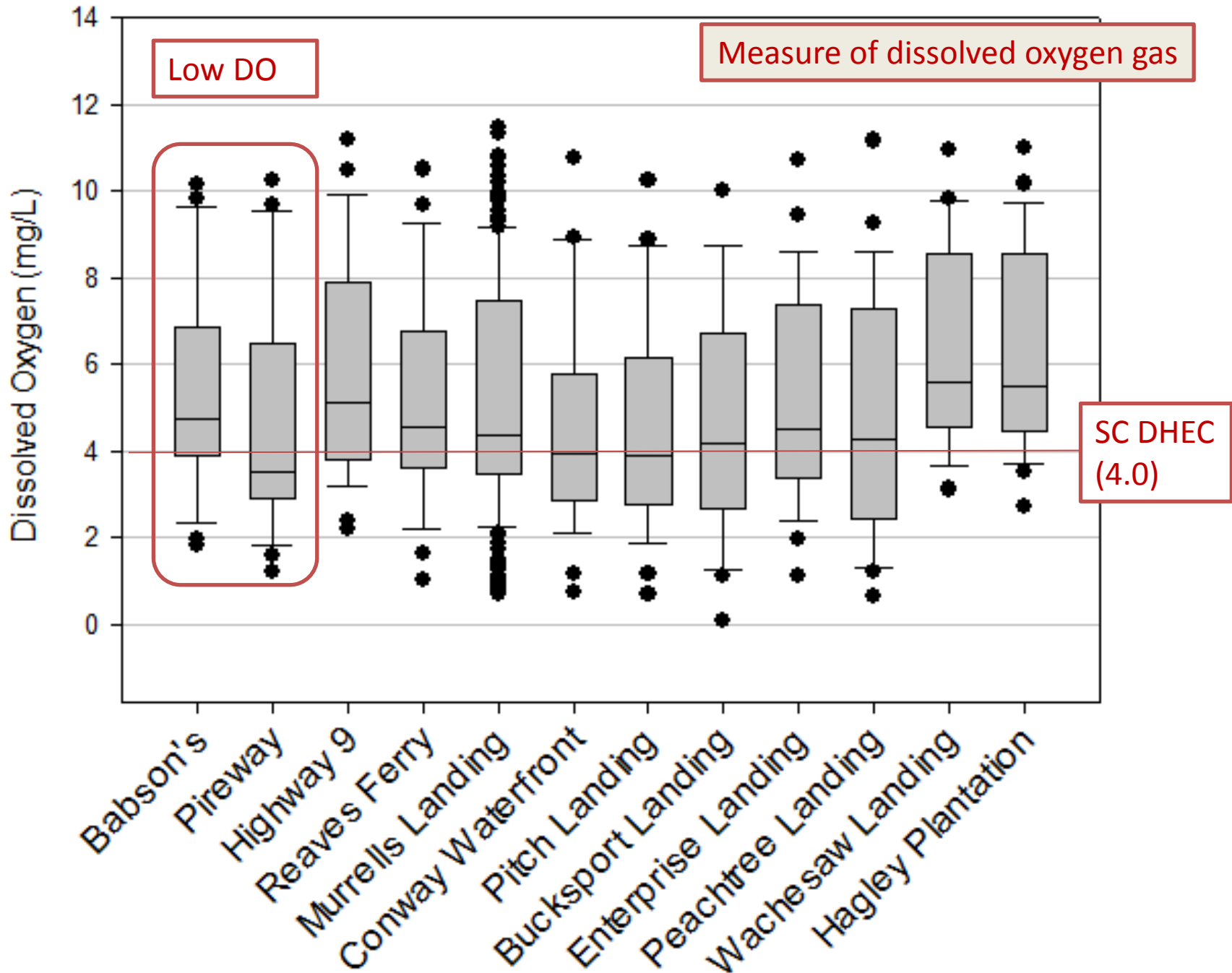
South Carolina (started 2006)

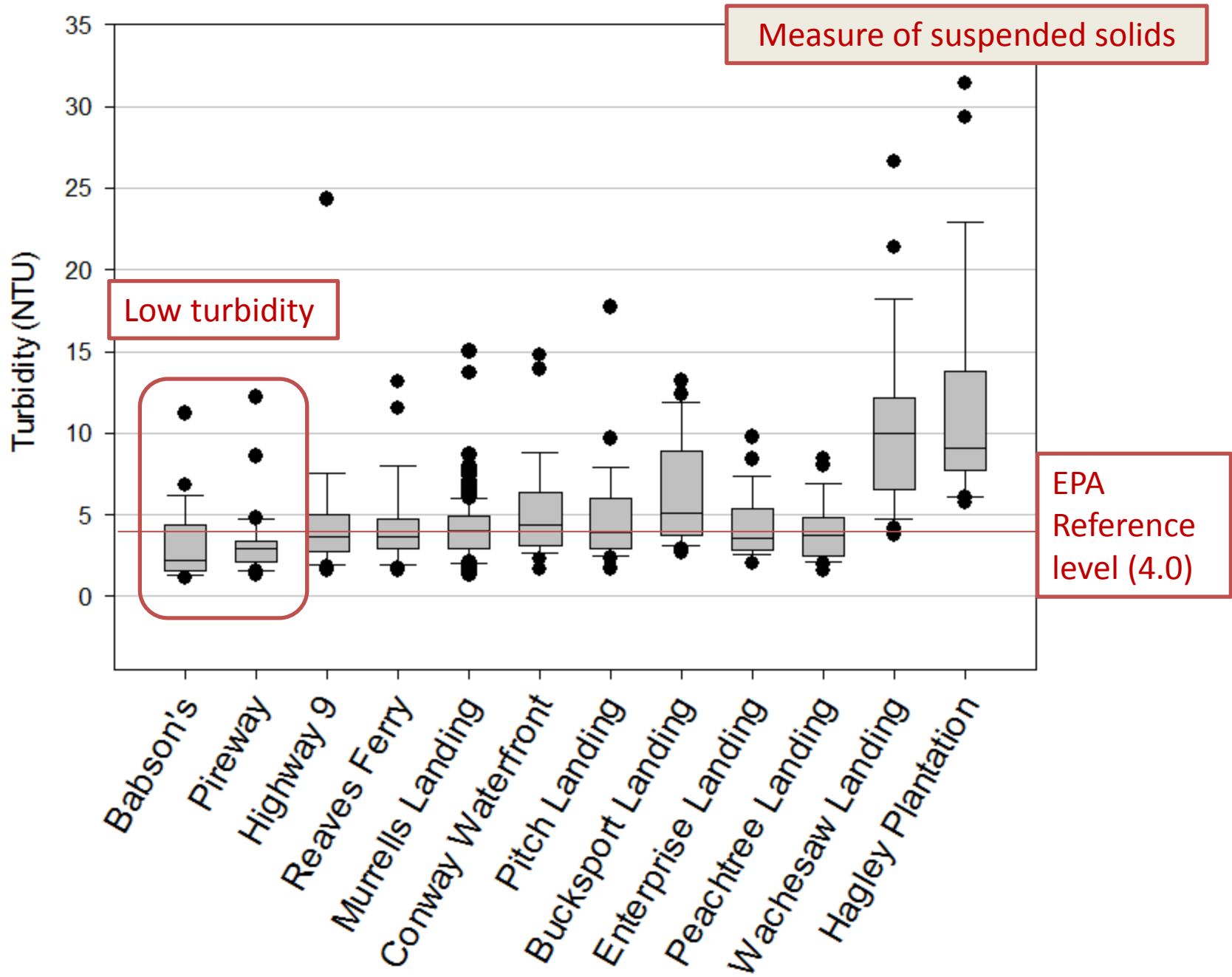
- Hwy 9 (193)
- Reaves Ferry (193)
- Murrells Landing (1421)
- Conway (194)
- Pitch Landing (194)
- Peachtree (158)
- Enterprise (194)
- Bucksport (194)
- Wachesaw (193)
- Hagley (195)



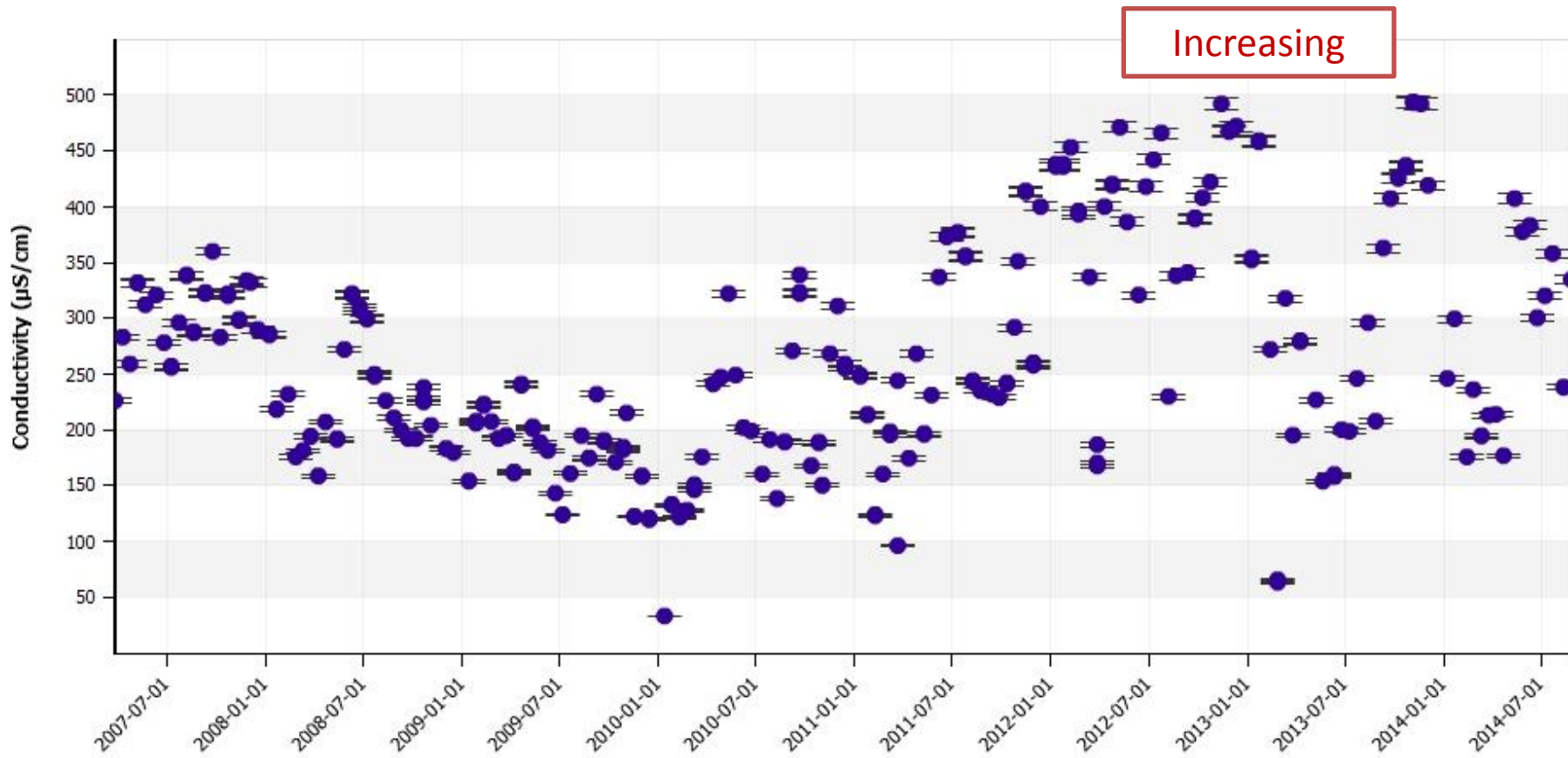




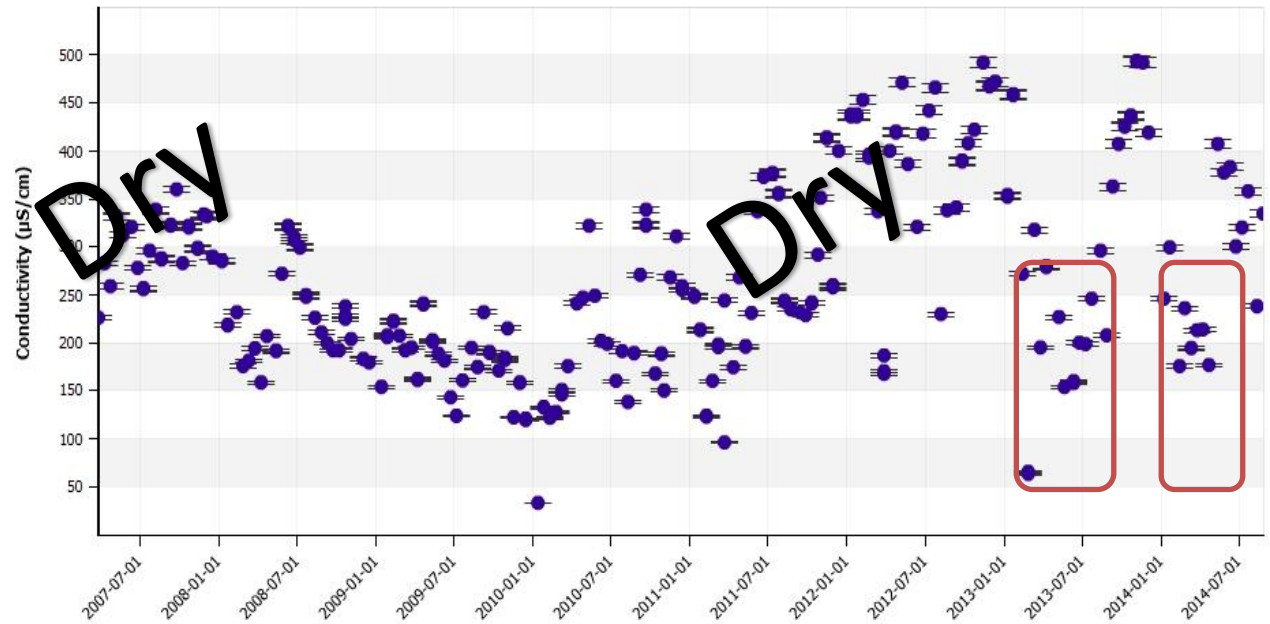
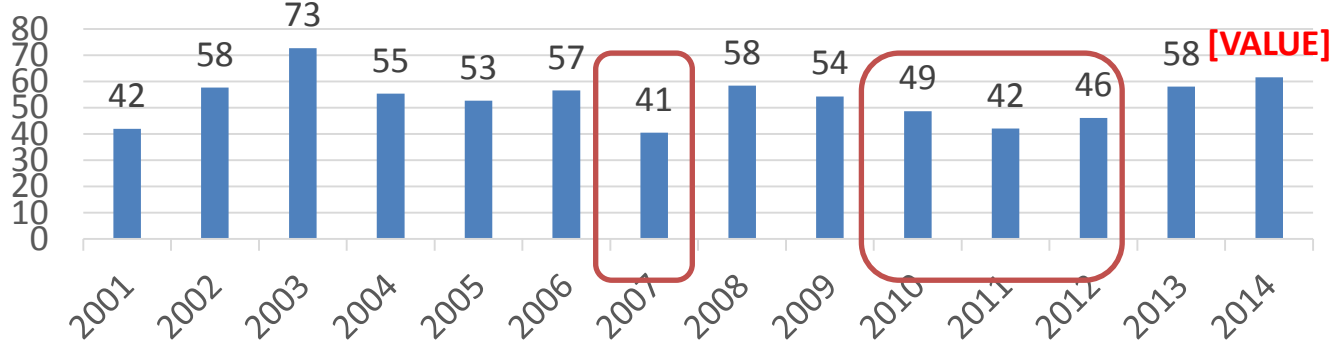




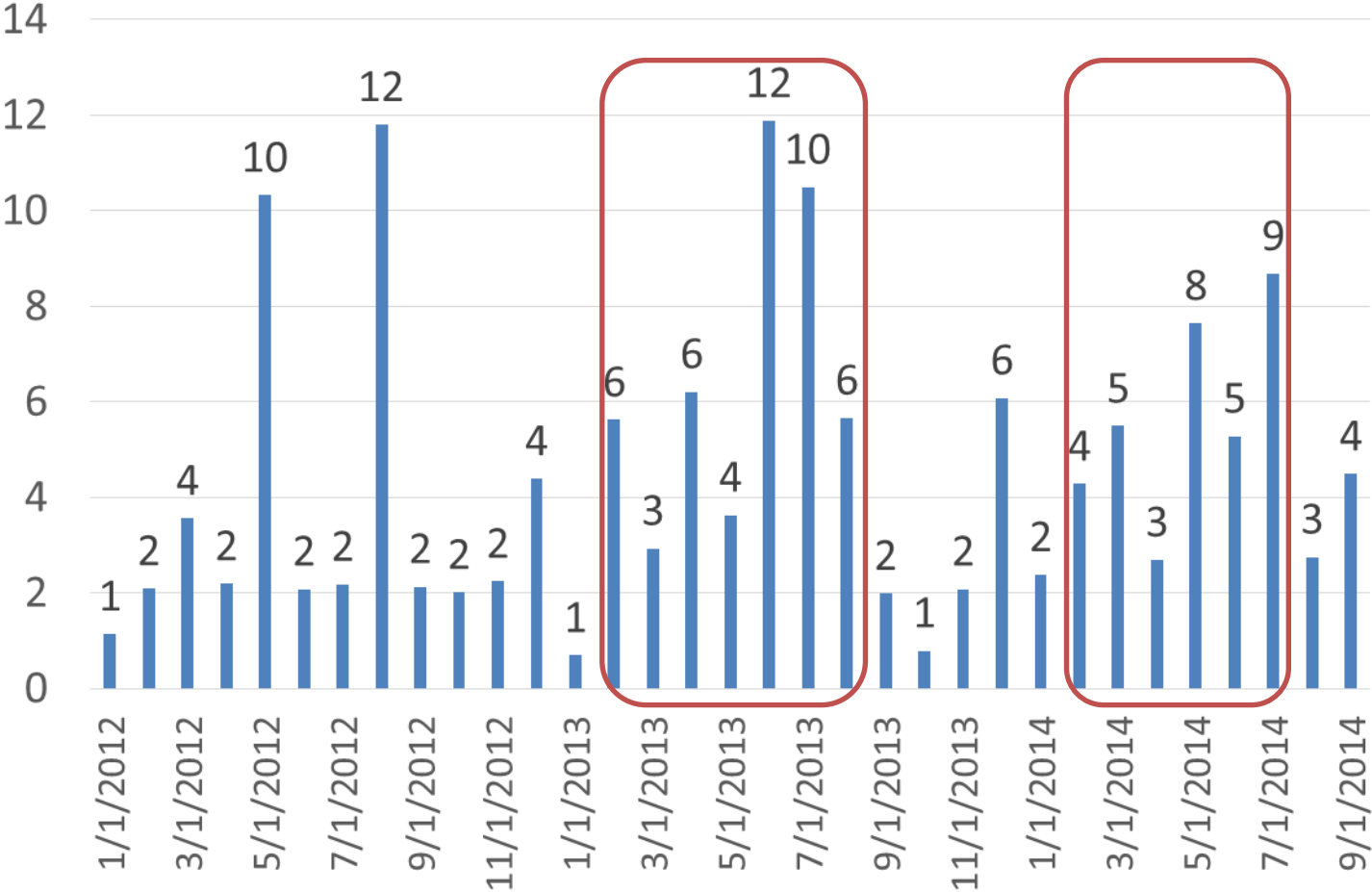
STERRIT SWAMP CONDUCTIVITY



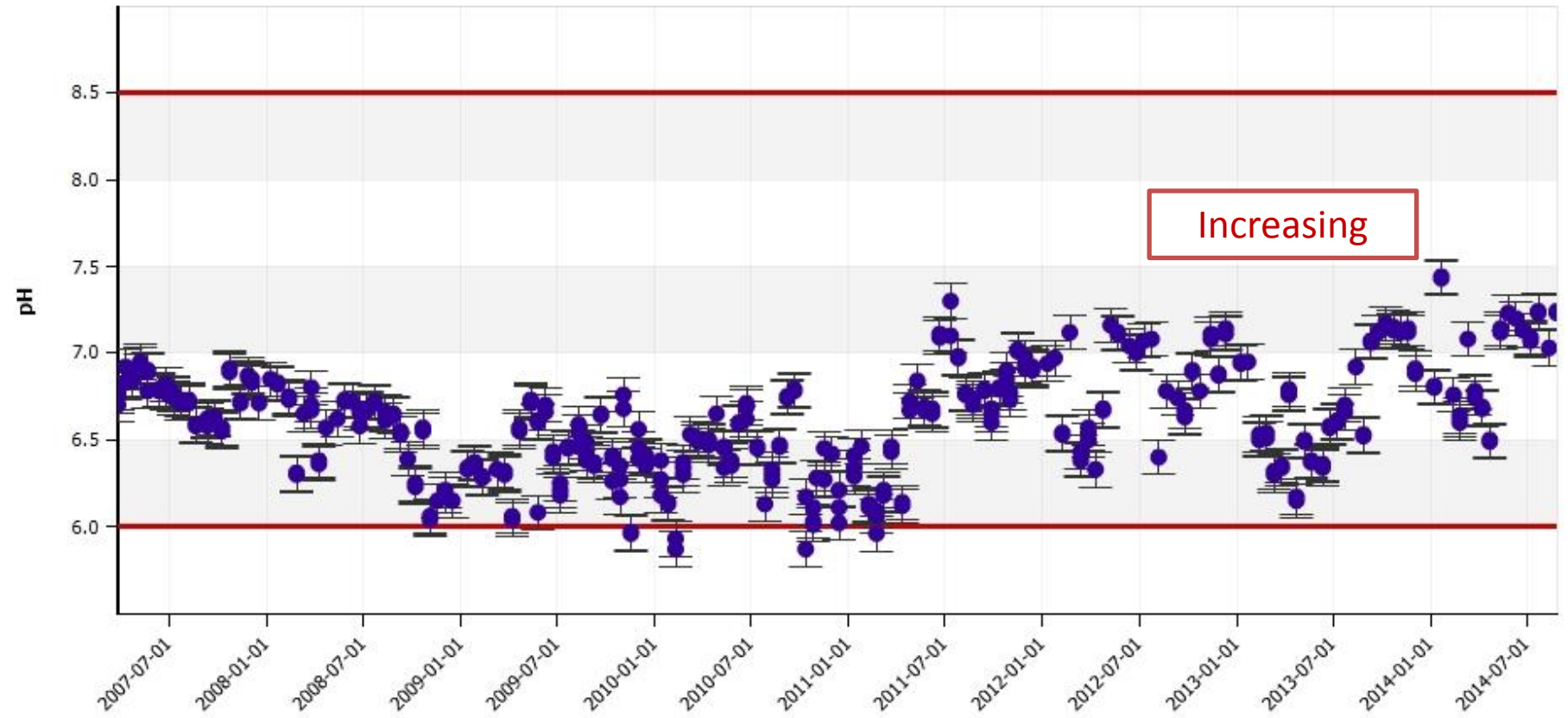
Annual rain accumulation at Murrells Landing



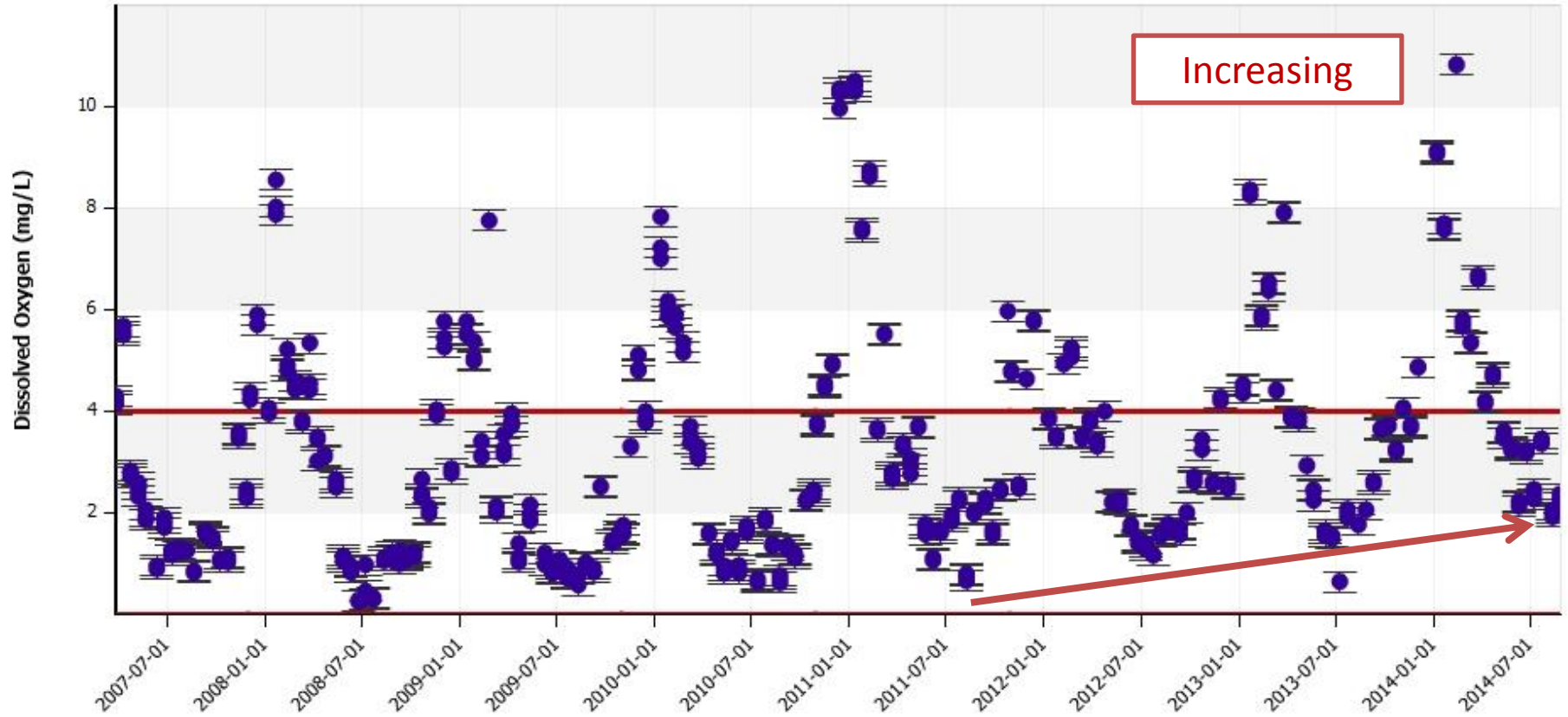
Monthly accumulation



STERRIT SWAMP pH



STERRIT SWAMP DISSOLVED OXYGEN





NOAA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

UNITED STATES DEPARTMENT OF COMMERCE



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NOAA honors New York farmer for 84 years of service as volunteer weather observer

July 21, 2014

When Richard G. Hendrickson logged his first weather observation for the U.S. Weather Bureau, the precursor to NOAA's [National Weather Service](#), Herbert Hoover occupied the White House. Since then the Bridgehampton, New York, farmer has filed twice daily reports, tallying more than 150,000 individual weather observations - playing a critical role in building our nation's climate history.

As part of the National Weather Service [Cooperative Observer Program](#), Hendrickson collects data from the weather observing station on his farm and calls in his observations – temperature, precipitation, wind and any other significant weather factors – to the weather service.

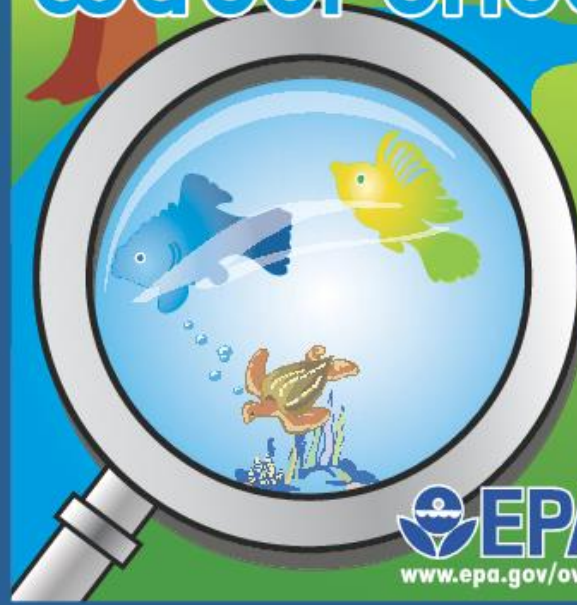
On July 27, Hendrickson, age 101, will receive an award for his long standing service – 84 years – to the nation. Since Hendrickson is first in the history of the program to serve for more than eight decades, the new 80-year service award will be named in his honor.



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