Paula

- Introduce Kelly
- Have teams introduce themselves
 - Recognize Joan and Ken Kreikemeier
- Discuss transition to new field leader
 - Introduce Emma
- Talk about BMI or ask Jack Galloway to do this.
 - Funded by IP
- Thank other funding partners (MS4's)

Christine

- Jo's award
- Training on 3/9
- Presentation on 3/9
- Gage reactivated at Babson's Landing
- New IP grant funds meters and money from Norcross to help with probes





Technical Discussion

Waccamaw River Volunteer Monitoring Volunteer Luncheon 2015







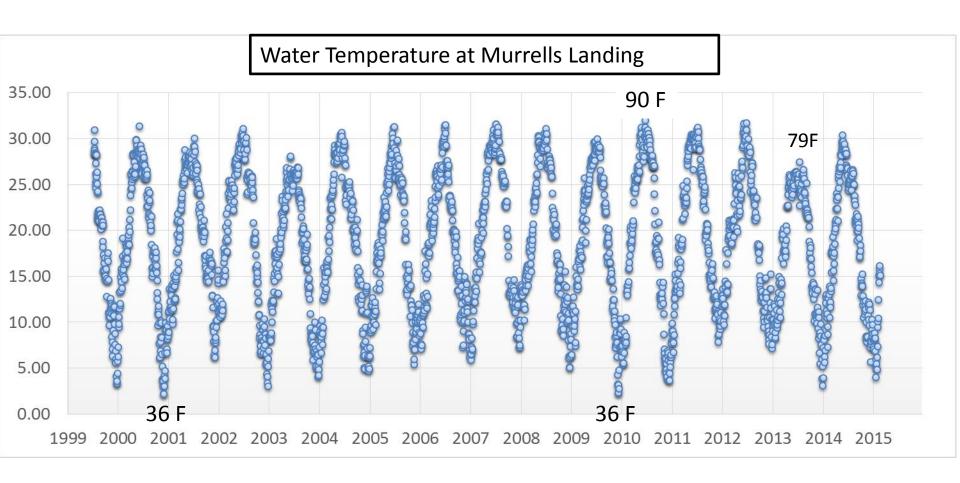




Topics

- Some recent data trends
- Cold weather issues with monitoring
 - Equilibrating meters
- The US mail and our data backup plans
- Site location check
- Upgraded website









Temperature issues

- We hit the temperature limit on the equipment this winter!
 - This is somewhere around 0 to 5 C, so some equipment performance issues were unavoidable.
- Conductivity probes do not perform well in cold conditions
 - You can keep the turbidity sample and read conductivity from this a couple of hours later back at your house once the meter has warmed up.

Temperature equilibrating

- Fill your 1-L wide mouth bottle with sample water
- Let all the sensors equilibrate for at least 10 min. pH might take longer in cold weather.
- Keep hitting the measure button
- While waiting, collect water for turbidity, bacteria and make nutrient measurements
- Refill your thermos bottle, transfer sensors into this water
- Stir gently



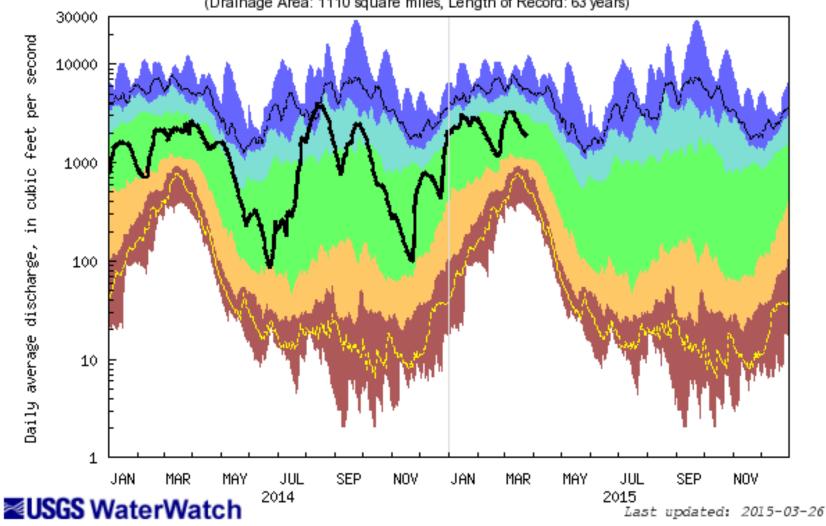
DRIFT

					וט	ISSOI\	rea Oxyg	en	Time	Measured:			
DRIFT						Sample Readings: Watch for drift in last two readings							
						Rep	DO% (drift <u><</u> 5%)		00 (mg/L) drift <u><</u> 0.20				
						1							
						2							
		Meter model	A329		<u>" '</u>	3 4							
Conductivity Time Measured:						(5)			pH				
	Sample Reading	s: Watch for drift	in last two r	eadings		(6)			Meter	model :	329		
	Conductivity	Total Dissolved							Time	Measured:			
Rep				Temp (°C) (drift ≤0.10)					Sample Readings: Wa drift in last two read				
1	(Drift ≤ 0.1)	□ (ppt)							Rep	pH (drift ≤0.10)	Temp (°C) (drift <0.10)		
2									1				
3									2				
									3				
4									4				
(5)									(5)				
	ent of a meter or ch								(6)				
npie to	be analyzed later f	or conductivity. C	un the VIVI CO	orainator for assi	เรเนทตะ	#							

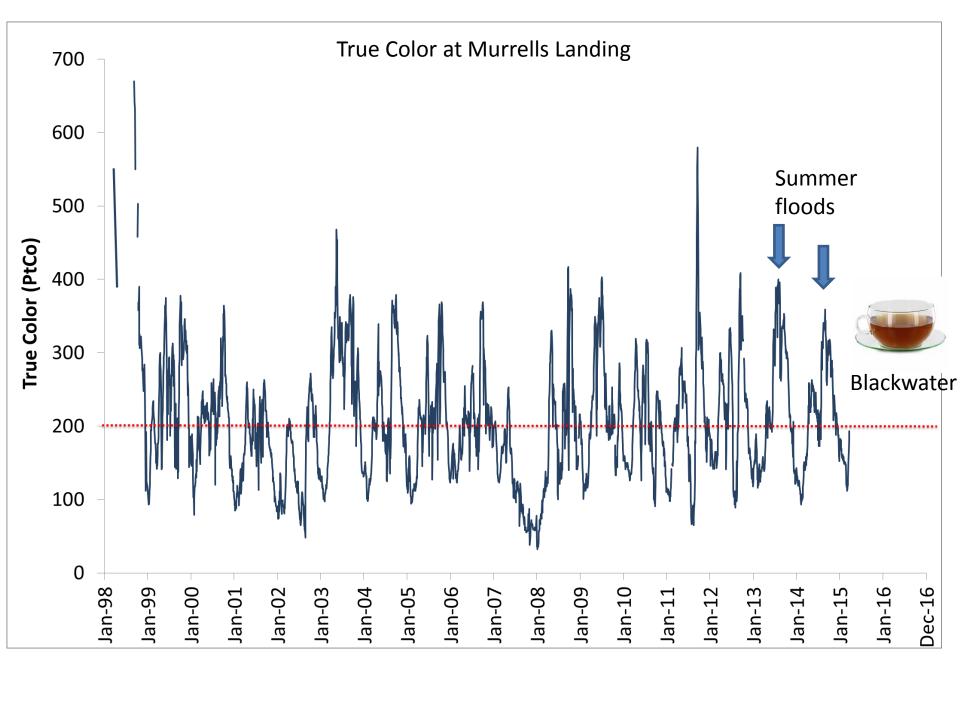
Flood?

- Jul 2014
- Winter 2015

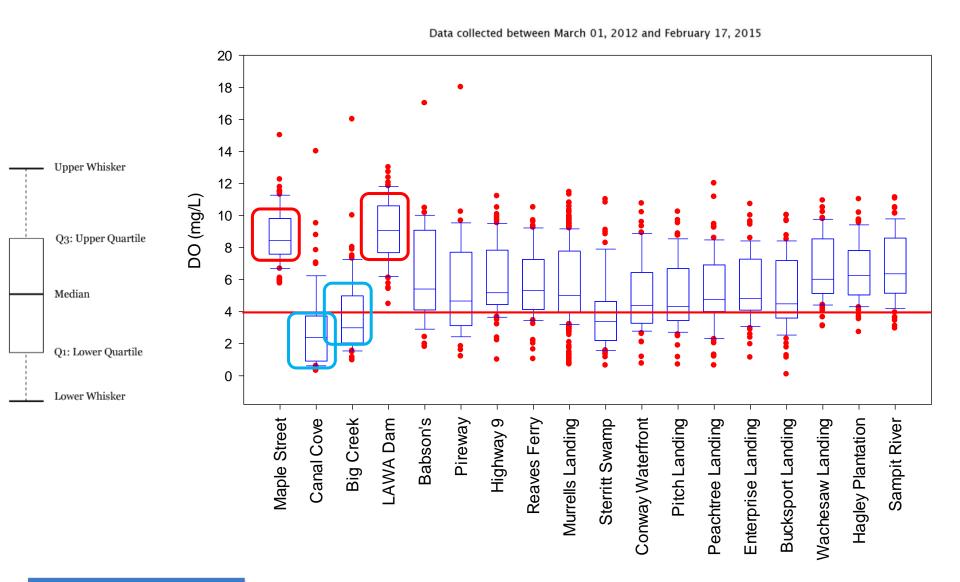
USGS 02110500 WACCAMAW RIVER NEAR LONGS, SC (Drainage Area: 1110 square miles, Length of Record: 63 years)



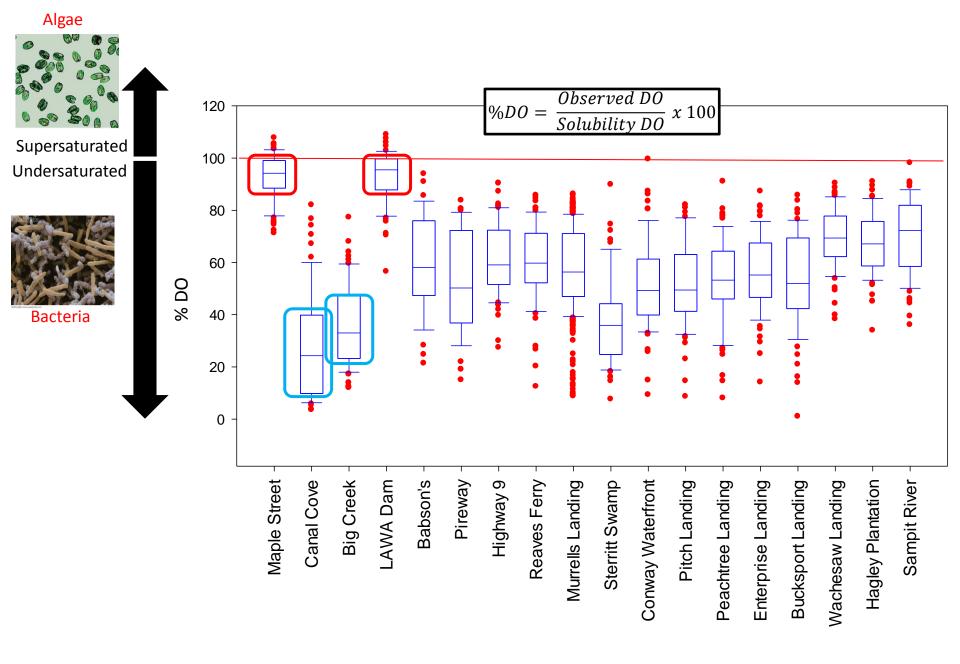
	E	xplana	tion - Pe	ercentile	classes	ŝ	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below	Normal	Below normal	Normal	Above normal	Much a	11011	



Native bacteria degrade colored dissolved organic matter and consume oxygen



New charts!



More technical info

- What's that silver thing?
 - Weight and protection for DO sensor.
- pH sensor should not be submerged below the blue line



A few reminders

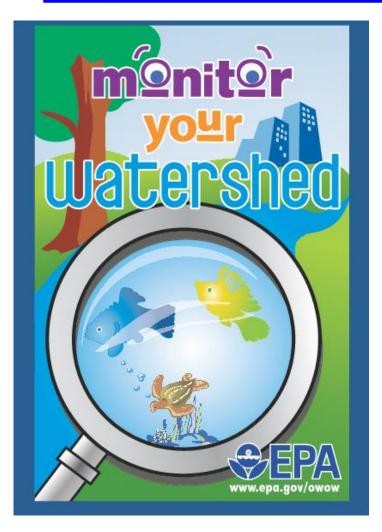
- Check to make sure you are filling out the whole data sheet
- Review data back up plan
- We're continuing to rotate the retraining site visits. Let us know if you'd like more retraining.
- Don't forget to call if you have problems or unusual readings as per your percentile ranges.
 - Ranges will be updated soon.
- We're here to help you and enjoy talking with you! Review new phone numbers



NC training on 3/9/15 at Waccamaw Lake State Park

Beta version of new website

http://bccmws.coastal.edu/quaye/vm/



Let us know what you think

We need help recruiting more volunteers. Ideas?



Site location checks