

Streamflow conditions across North Carolina Assessment of hydrologic conditions observed through April 2018...

Presented by: J. Curtis Weaver, PE, Hydrologist USGS South Atlantic Water Science Center (Raleigh office)

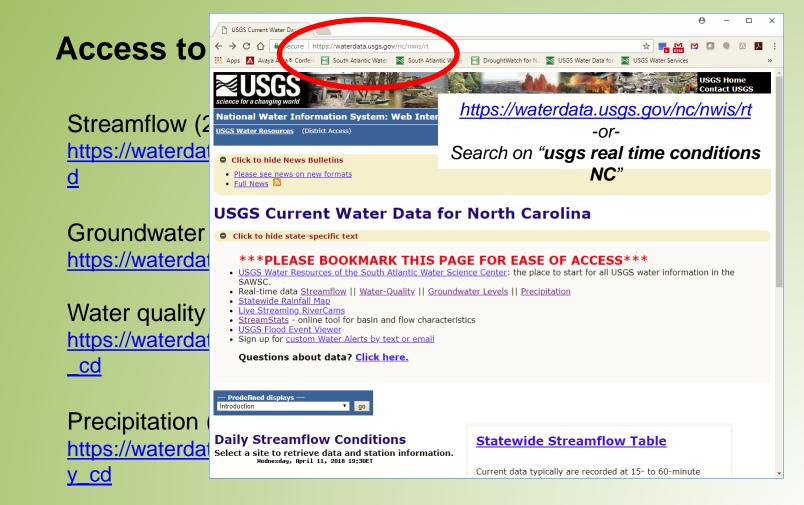
https://www2.usgs.gov/water/southatlantic/



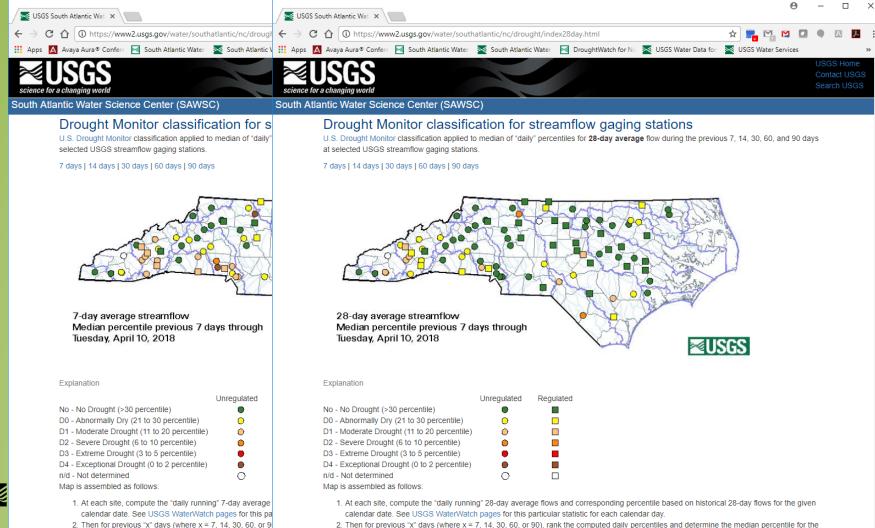
Presented to:

North Carolina Drought Management Advisory Council Gov. James G. Martin Building, NC State Fairgrounds, Raleigh, NC April 12, 2018

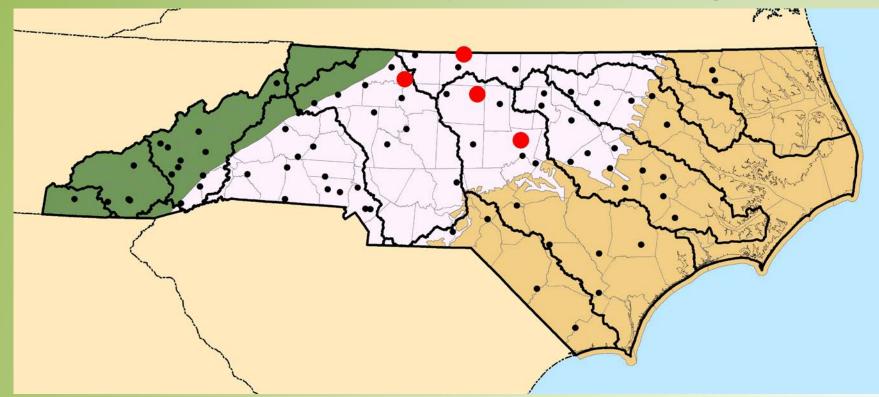
U.S. Department of the Interior U.S. Geological Survey







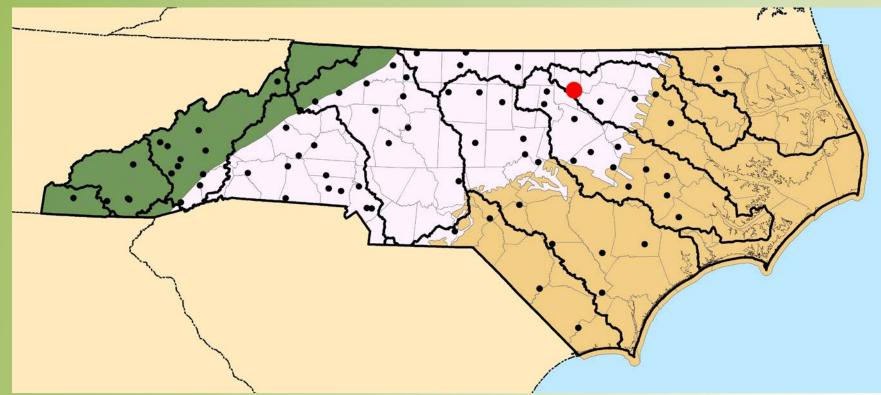
New record monthly minimum average





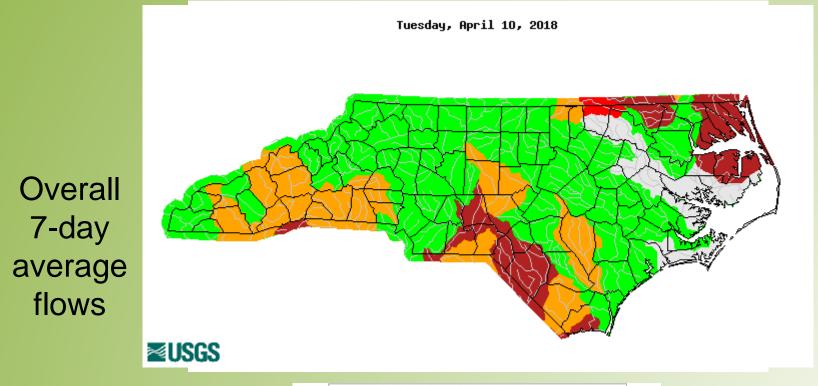
...Four sites during April 2017 through March 2018

New record POR minimum daily discharge





... One site during April 2017 through March 2018



as	of
April	10

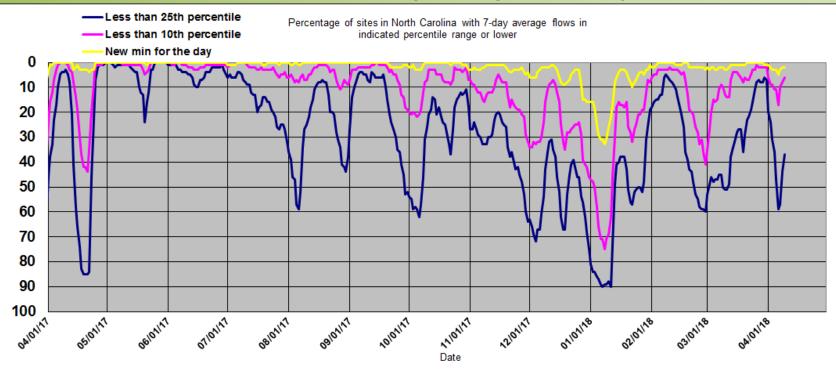
Explanation - Percentile classes									
Low	<10	10-24	25-75	76-90	>90	Hiah			
LOW	Much below normal	Below normal	Normal	Above normal	Much above normal	riigh			

USGS

Available at URL

http://waterwatch.usgs.gov/index.php

Percentage of sites with 7-day average flows below normal (< 25th percentile)

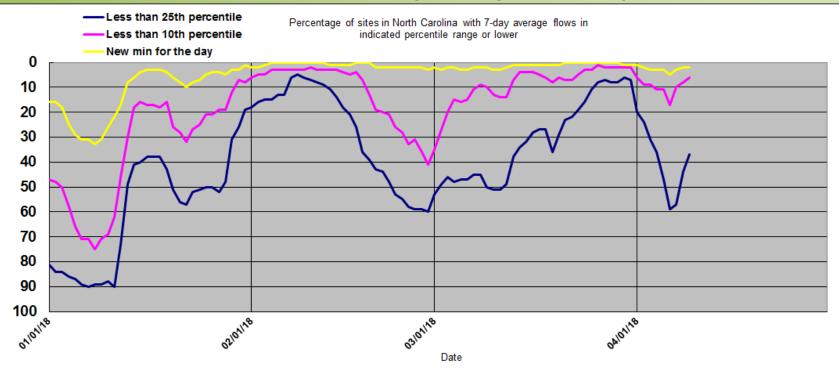


...since April 1, 2017

8

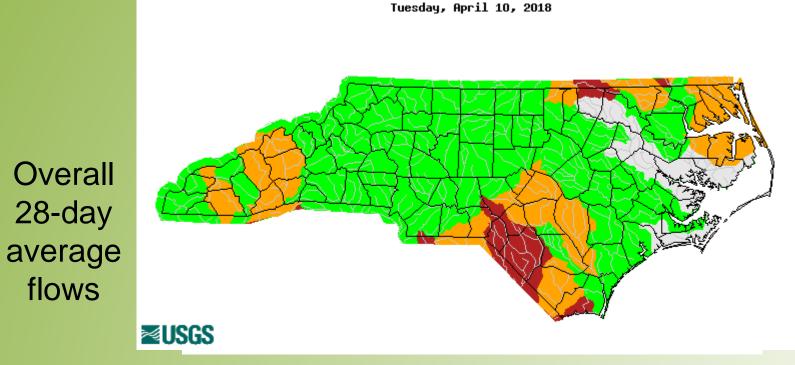


Percentage of sites with 7-day average flows below normal (< 25th percentile)





...since January 1, 2018,



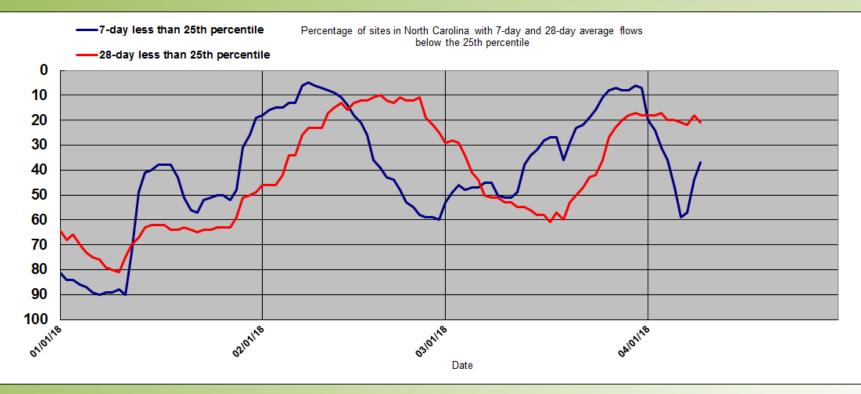
Explanation - Percentile classes								
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	nign		



Available at URL

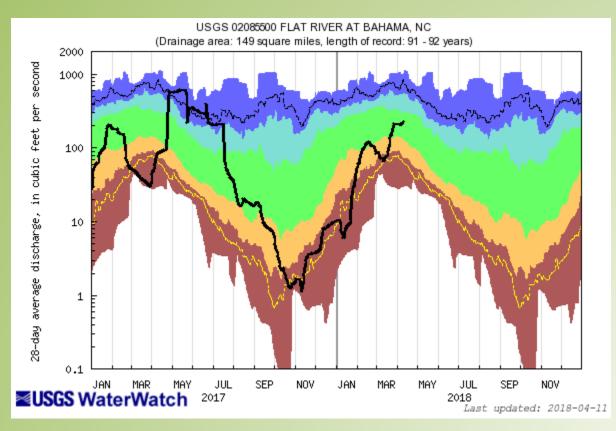
http://waterwatch.usgs.gov/index.php

Percentage of sites with 7- and 28-day average flows below normal (< 25th percentile)



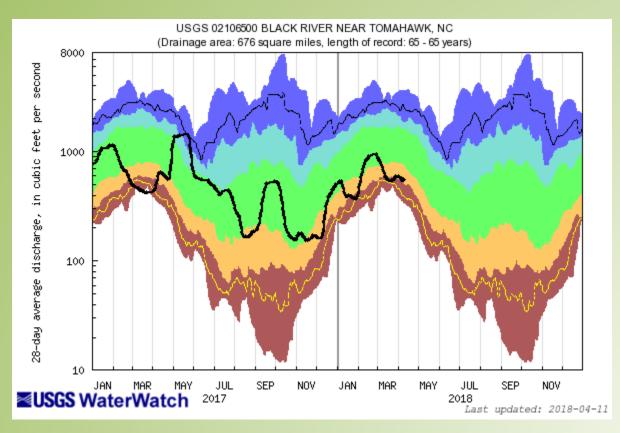
≥USGS

....since January 1, 2017,1



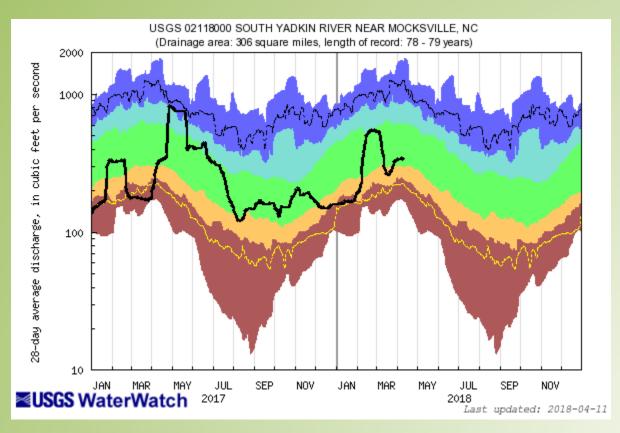
Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below Normal		Below normal	Normal	Above normal	Much a	bove normal	11044		





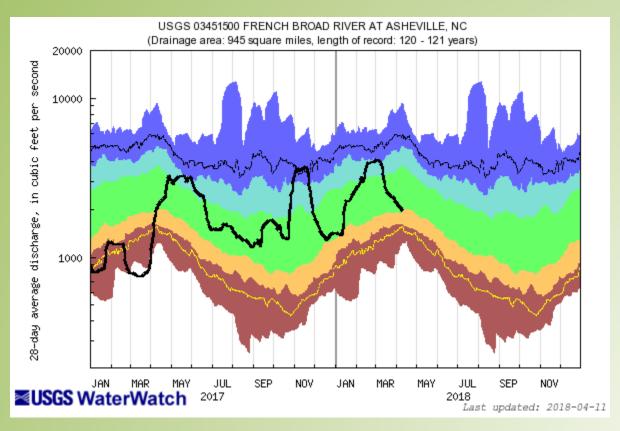
Explanation - Percentile classes										
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow			
Much below Normal		Below normal	Normal	Above normal	Much a	bove normal	1.04			





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 a	bove normal	1104			



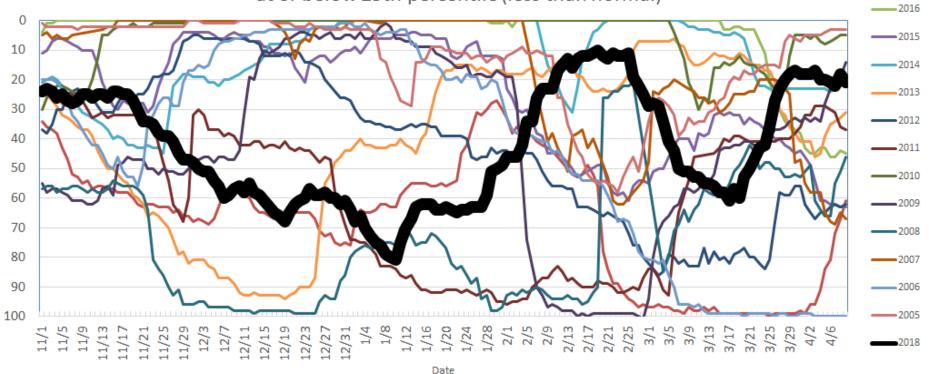


Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below Normal		Below normal	Normal	Above normal	Much a	bove normal	1104		



Comparison of 28-day flows for November through March

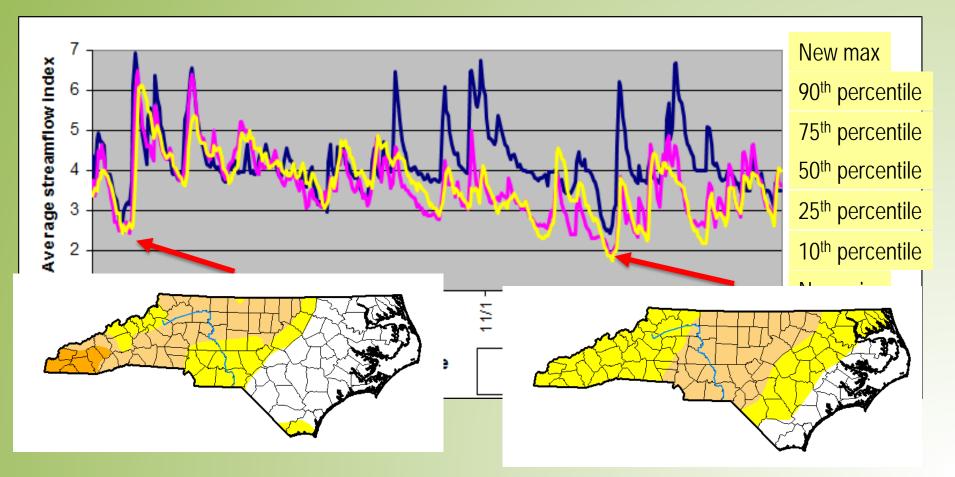
Percentage of sites in North Carolina with "Nov thru March" 28-day average flows at or below 25th percentile (less than normal)



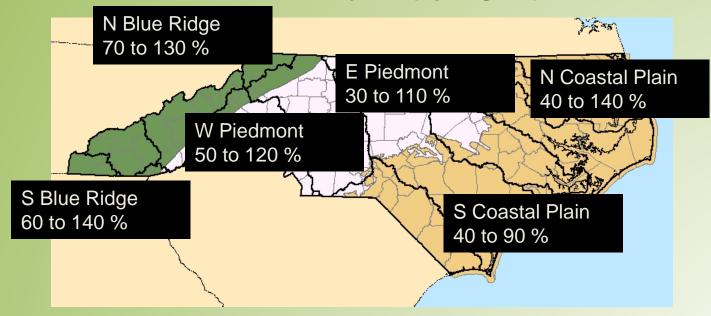
≥USGS

2017

Average streamflow index (by Province)



Typical ranges in percentage of median flow since February 1...(by region)



...as of April 10



In closing...

- Questions
- Concerns

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Flat River at Bahama Durham County

