

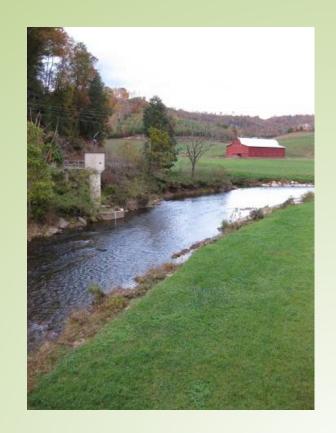
Streamflow conditions across North Carolina

Assessment of hydrologic conditions observed through April 2019...

Presented by:

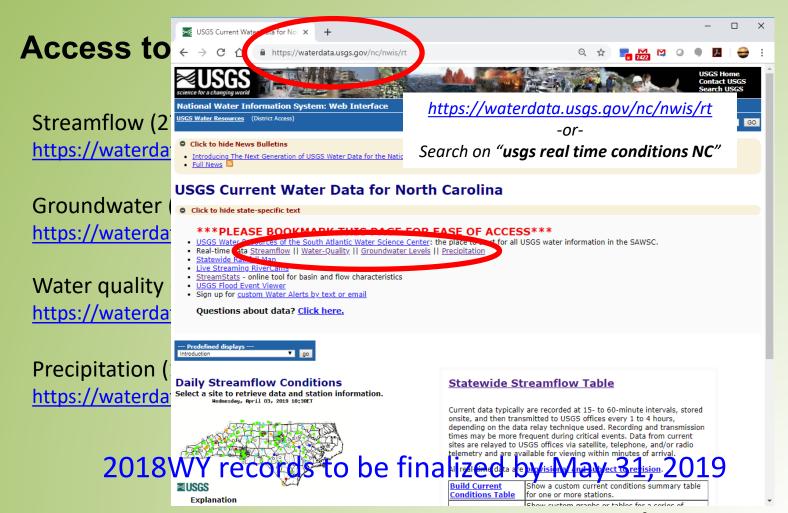
J. Curtis Weaver, PE, Hydrologist
USGS South Atlantic Water Science Center (Raleigh office)

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 04, 2019







Peak stages ar

The report includes streamgages having at least 10 years of record and for which the September 2018 was in the top 5 for the period of record:

- 18 sites in NC (new POR)
- 10 sites in SC (new POR)
- 49 sites recorded peak streamflows in the top 5 of record (45 in NC and 4 SC)
- 4 stage-only gages had new peaks of record



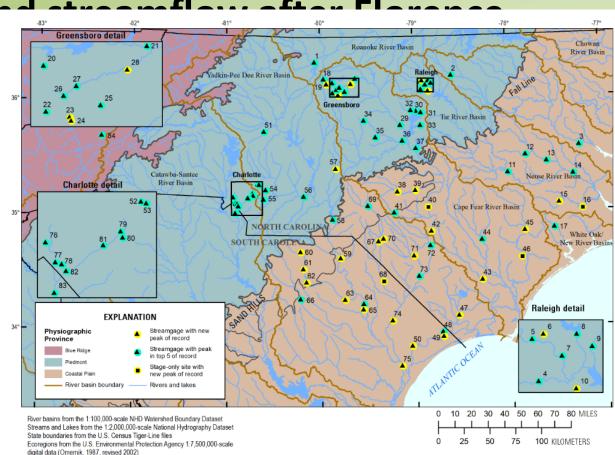
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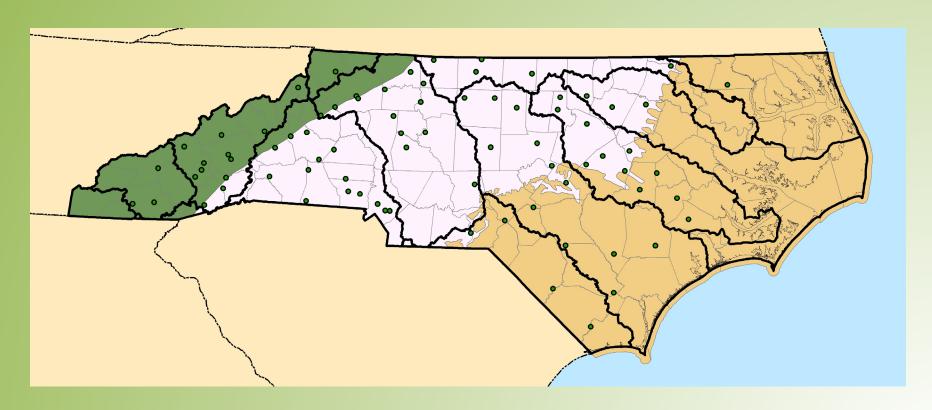
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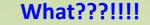


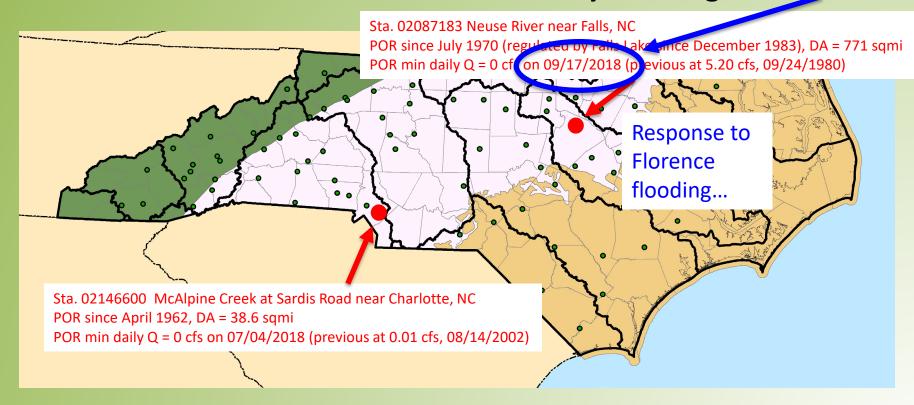
New record minimum monthly average discharges





New record POR minimum daily discharge







Monday, April 01, 2019 **USGS**

...as of April 01



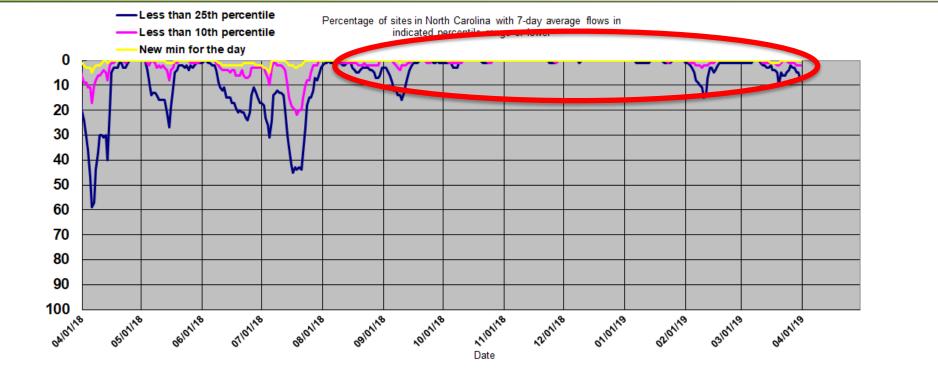
Overall

7-day

average

flows

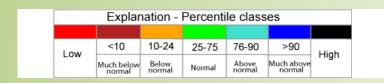
Percentage of sites with 7-day average flows below normal (< 25th percentile)





Monday, April 01, 2019 Overall 28-day average **■USGS**

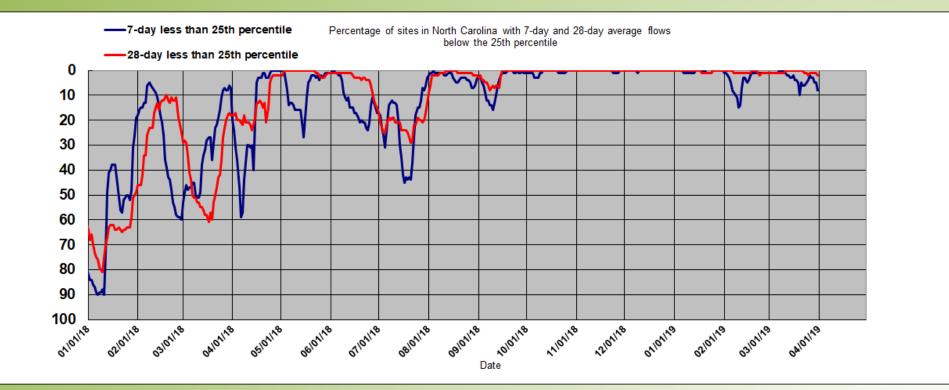
...as of April 01



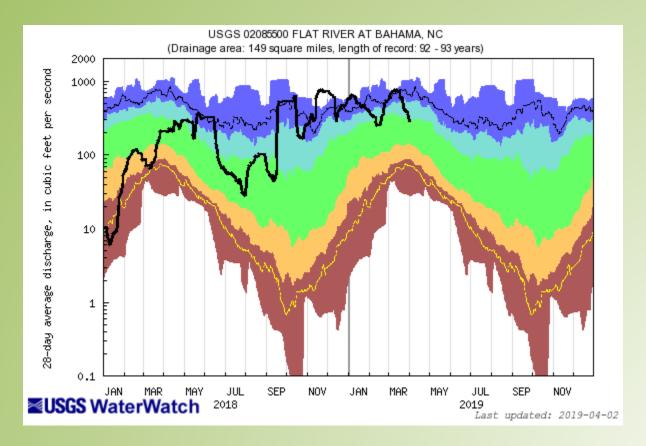


flows

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

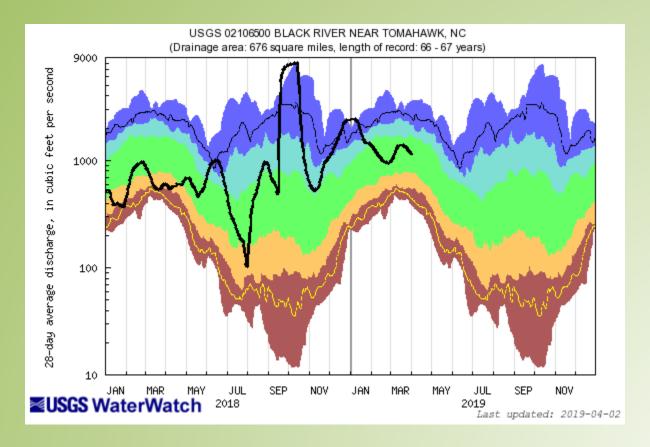






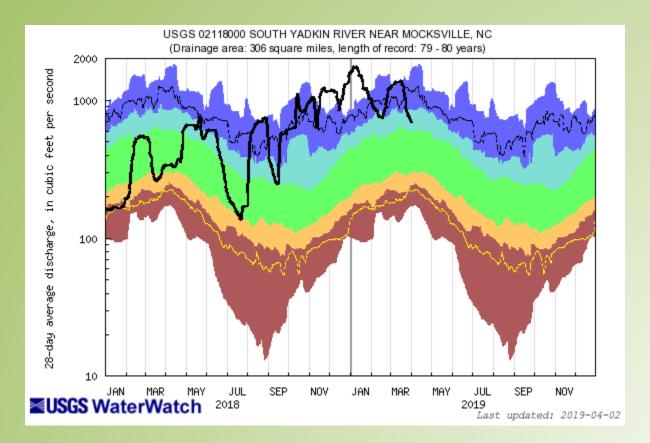
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Explanation - Percentile classes							
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lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flaw
Much below	Normal	Below normal	Normal	Above normal	Much above normal		



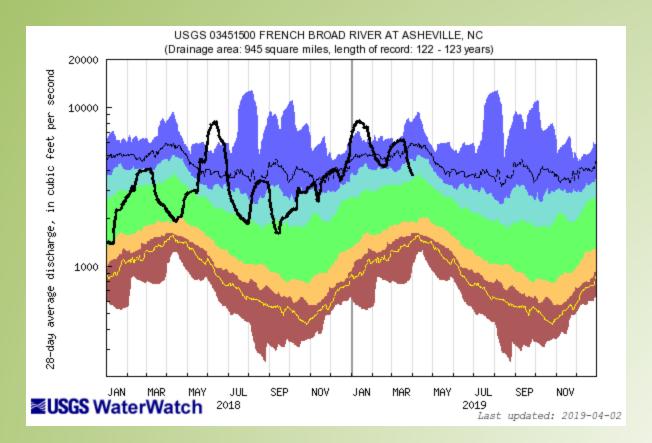


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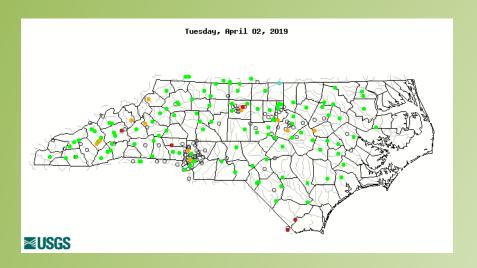
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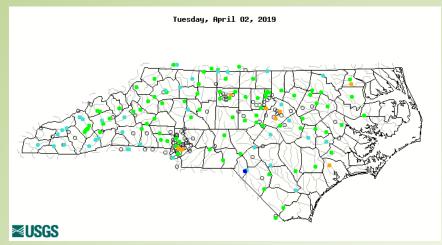




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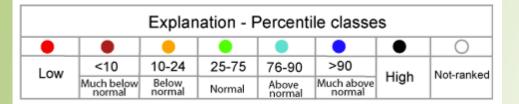
Waiting to see what conditions will evolve going forward...





7-day average streamflows

28-day average streamflows





In closing...

- Questions
- Concerns

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Flat River at Bahama Durham County

