

Watershed Tools for Local Leaders

Addressing Stormwater Pollution & Harmful Algal Blooms in Your Municipality

Paying for Stormwater Projects

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**Raritan
Headwaters**

Your water is our mission.

Watershed Tools for Local Leaders

Paying for Stormwater Projects

- Is stormwater a problem?
 - Is the problem getting worse?
 - Stormwater and the HABs Formula
- How does my community pay for stormwater?
- Is a stormwater utility right for my community?

Is Stormwater a Problem?



South Branch, Raritan River, Hurricane Irene, October 2011

Is Stormwater a Problem?



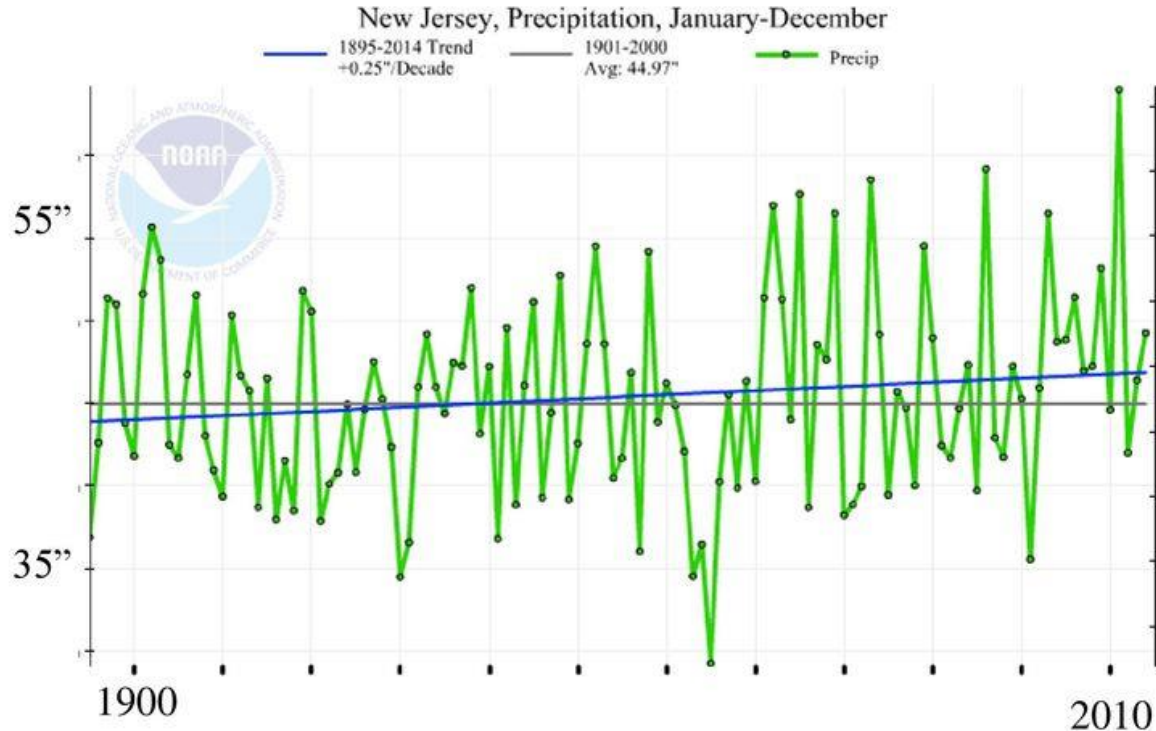
South Branch, Raritan River, May 2019

Is the problem getting worse?

RUTGERS

Climate Institute

Trends in annual mean New Jersey precipitation: 1895-2014



Long-term upward trend of 4.1" per 100 years

Large decadal variability (early 1960s drought, wet 1970s, very wet in last decade)

Most of the upward trend comes from changes in spring and fall

data source: National Climatic Data Center

Is the Problem Getting Worse?

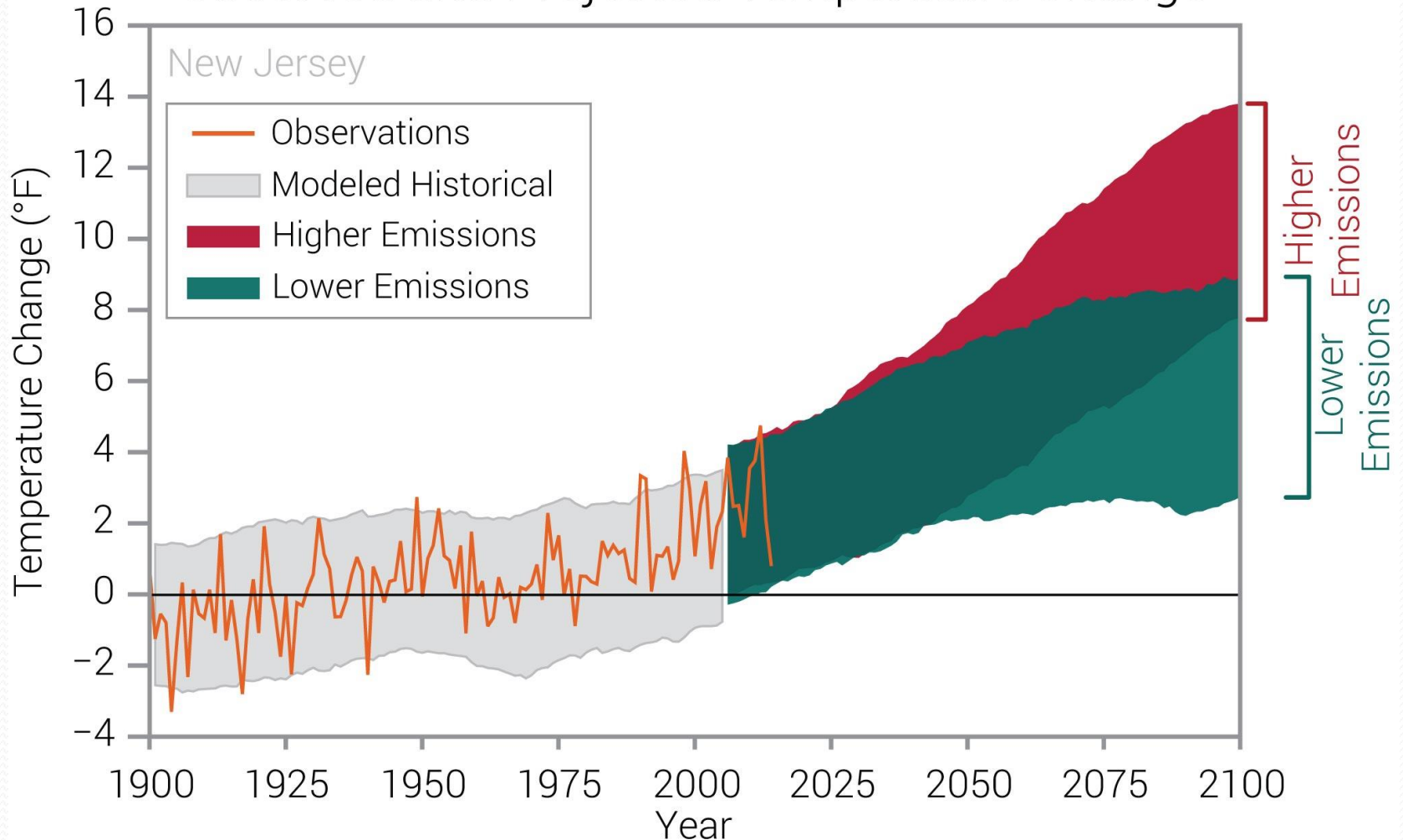
QUIZ!

The average amount of additional annual rainfall now received in the Raritan Basin is enough to fill:

- a. Spruce Run Reservoir (11 billion gallons)
- b. Wanaque reservoir (30 billion gallons)
- c. Round Valley Reservoir (55 billion gallons)
- d. All of the above

Is the Problem Getting Worse?

Observed and Projected Temperature Change



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1. How are we paying for stormwater now?
2. How do we pay for new stormwater projects?
3. What is a stormwater utility?

What does it cost?

Do we need one?

How do we fund it?

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1. Advantages of a Stormwater Utility

Local solution to a local problem

Flexible

Equitable

Cost-effective way to address stormwater

2. Do we need one?

Feasibility study

3. What does it cost?

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Clean Stormwater and Flood Reduction Act:

https://www.njleg.state.nj.us/2018/Bills/PL19/42_.PDF

NJ Department of Environmental Protection:

<https://www.nj.gov/dep/stormwater/>

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Where Can I Get More Information?

- Flood Defense New Jersey
 - <https://www.njlcvef.org/flood-defense/resources>
- Rutgers
 - <https://njaes.rutgers.edu/environment/>
- New Jersey Future
 - <https://www.njfuture.org/issues/environment-and-agriculture/water-sewer/stormwater-utilities/>
- An Internet Guide to Financing Stormwater Management
 - https://cues.rutgers.edu/meadowlands-district-stormwater/pdfs/Doc18_Internet%20guide%20to%20financing%20stormwater%20management.pdf
- Developing a Stormwater Management Utility
 - https://cues.rutgers.edu/meadowlands-district-stormwater/pdfs/Doc25_Cyre1987_Developing_a_Utility.pdf

Questions?

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