

Clean Water Act at 40

Facing the Future

Trying to Achieve Clean Water Act Goals
“On the Cheap”

Jeff Myers

Director

Bureau of Monitoring
and Assessment
NYS DEC

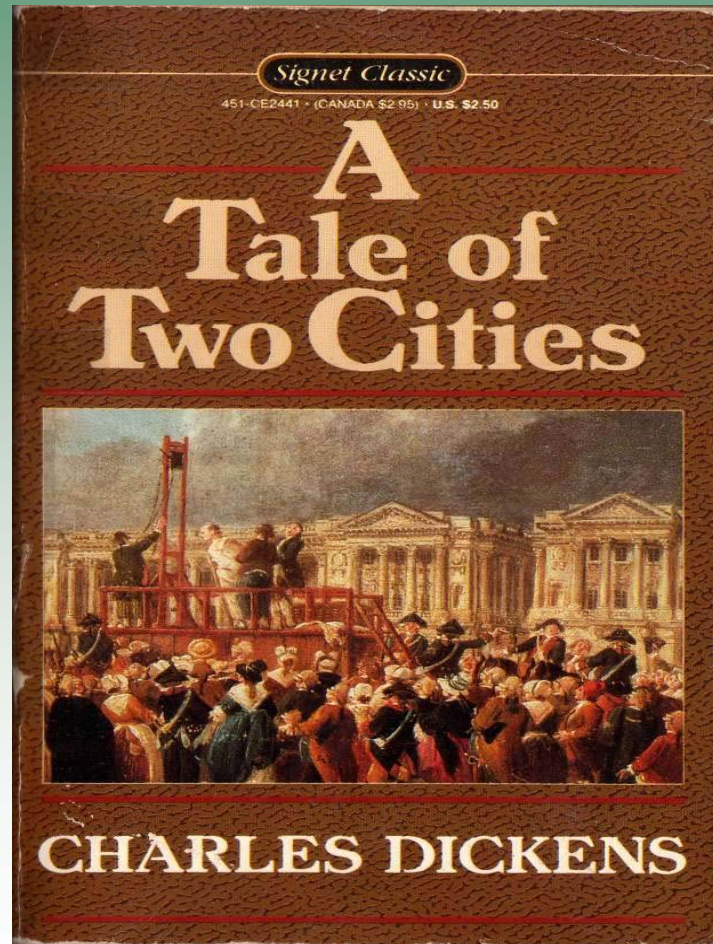




Good News, Bad News



Clean Water Act

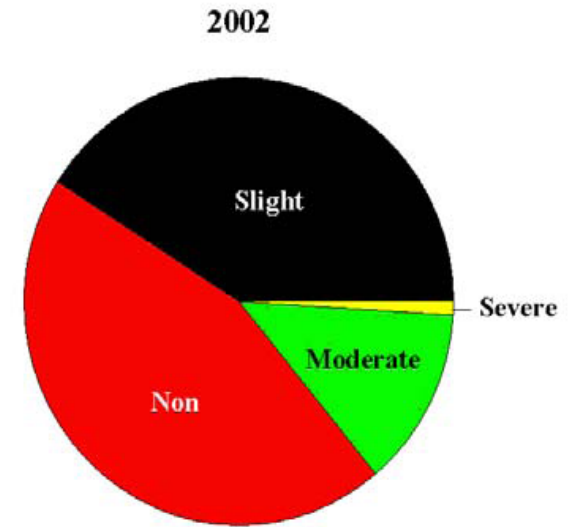
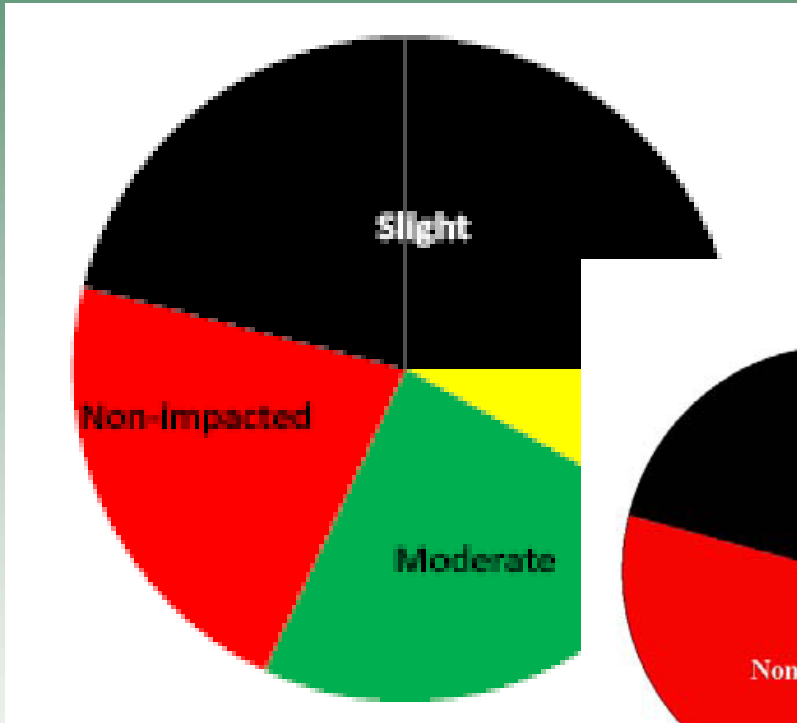


Clean Water Act of 1972

- Focus on Point Sources
- Established N/SPDES Permit Program
- Came with \$\$\$ for GRANTS
((\$60 Billion thru 1970s, 80s)
and
- Silent on (or Exempted) NonPoint Sources



Water Quality Trends



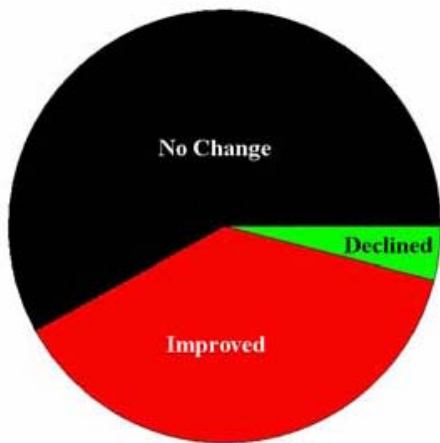
Clean Water Act of 1987

- Recognized NonPoint Sources
- Some NPS (Stormwater) Controls
- But Not All (Agriculture Still Exempted)
- Emphasis on BMPs, Watershed Plans
- No Similar \$\$\$ for NonPoint
- Replaced Grants with Revolving Loans



Water Quality Trends

From 1972 thru 1992,
WQ Improvement Outpaced WQ Declines



1972 - 1992



1992 - 2002

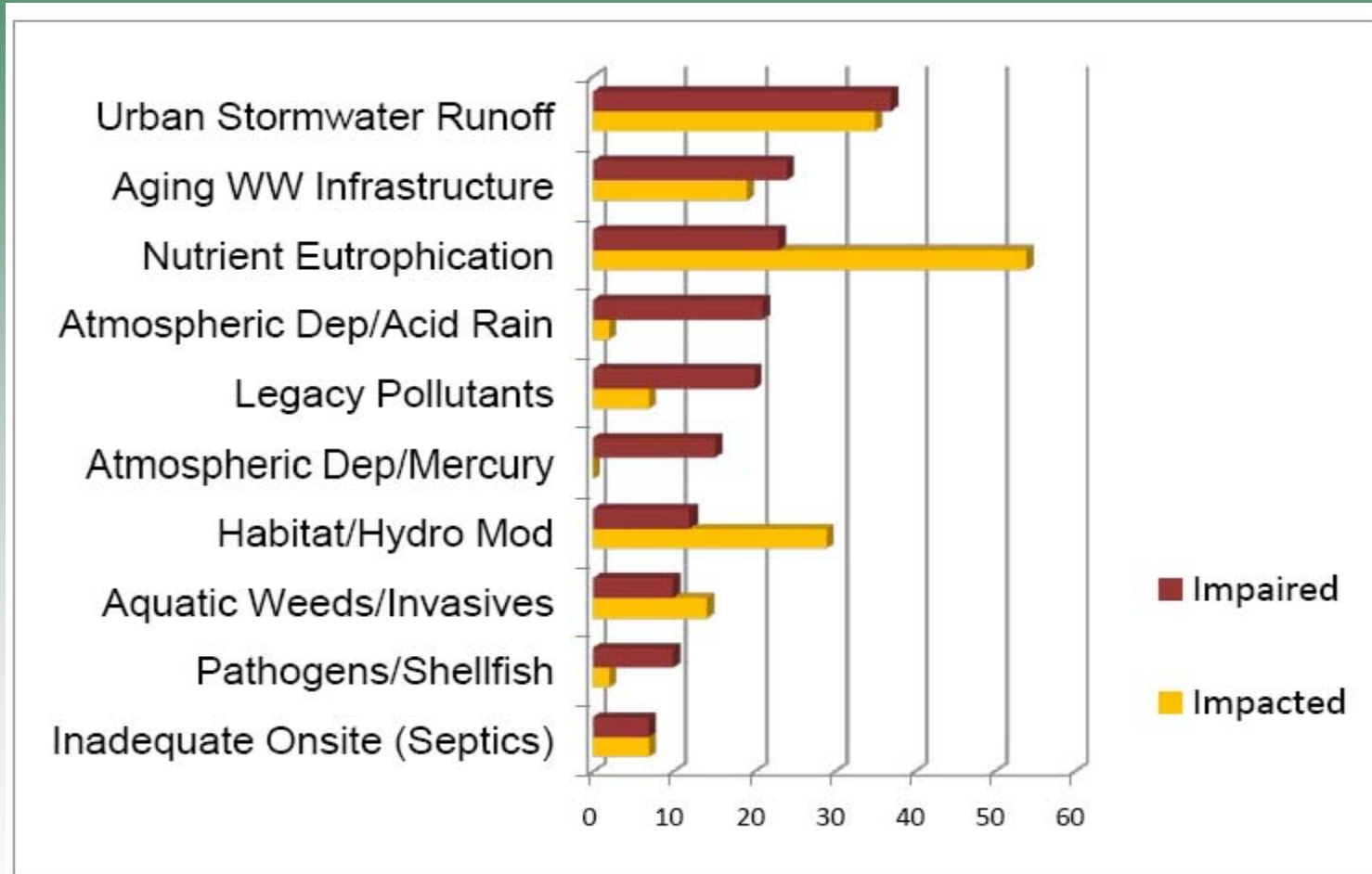
Since 1992,
Not So Much

Why?

- Aging Infrastructure
- Non to Slight



Top Ten WQ Problems in NYS

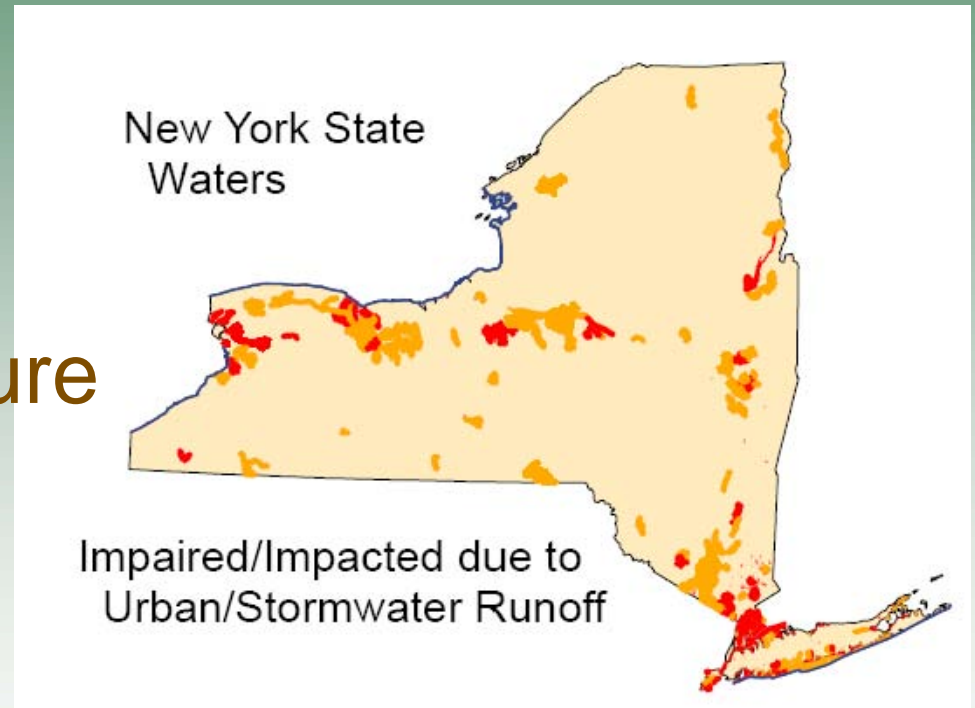


Note: Frequency totals do not equal 100% because categories are not mutually exclusive.

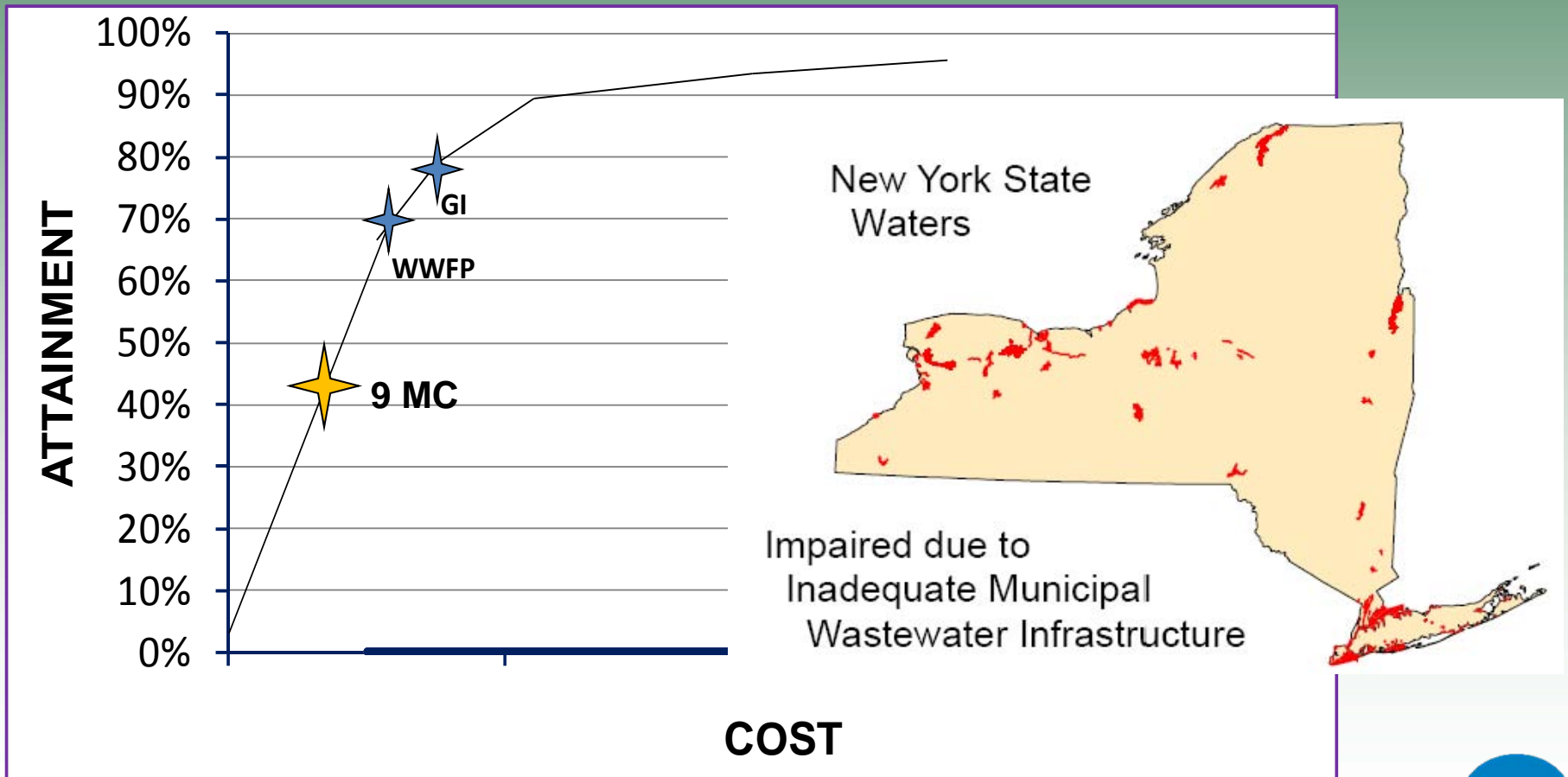


Urban Stormwater Runoff

- New York City
\$30-40M /yr for
Green Infrastructure
- Philadelphia
\$2 billion
over 25 years



Aging WW Infrastructure Including CSOs





Mayor A C Wharton, Jr.

Dear Members of City Council, Citizens of Memphis,

I am pleased to submit this budget for the City of Memphis for the fiscal year beginning July 1, 2011 and ending June 30, 2012. My proposed operating budget for fiscal year 2012 **includes planned spending of \$676.3 million** and a **Capital Improvement Program budget of \$65 million** in tax funded capital projects.

These are extraordinarily challenging times for municipal governments across the country.



Happy to see
you're addressing that
unregulated discharge



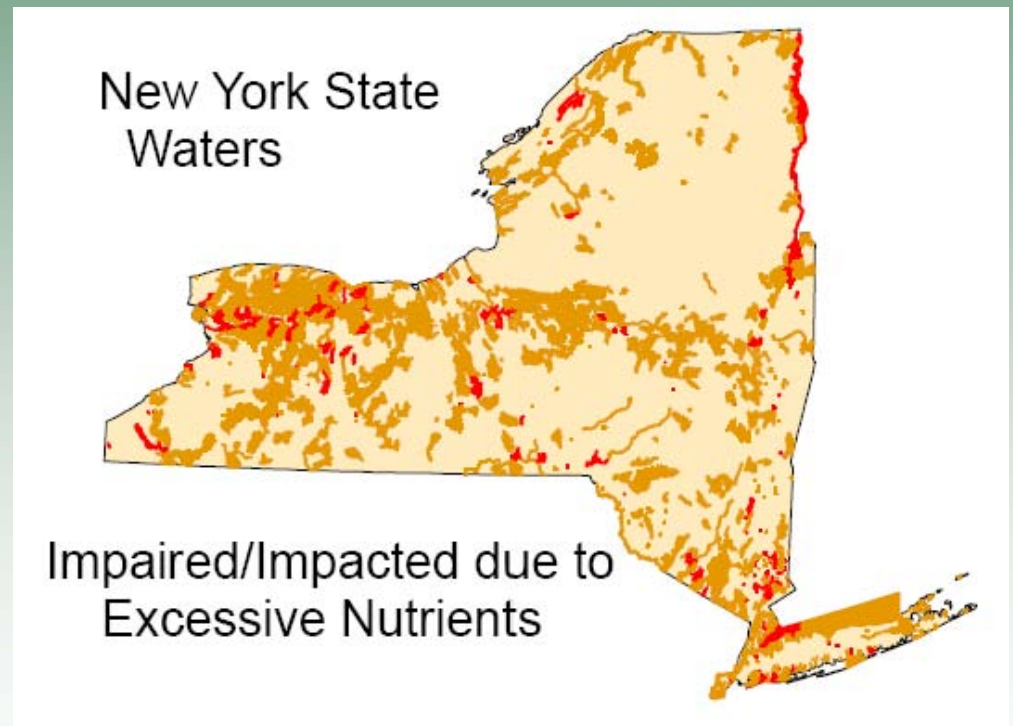
Of course we're gonna
Have to discuss a
SPDES Permit



Nutrient Eutrophication

Nutrient Sources

- Municipal
- Industrial
- Agriculture
- Forest Lands
- Everything?





...Nutrient Management Plan?

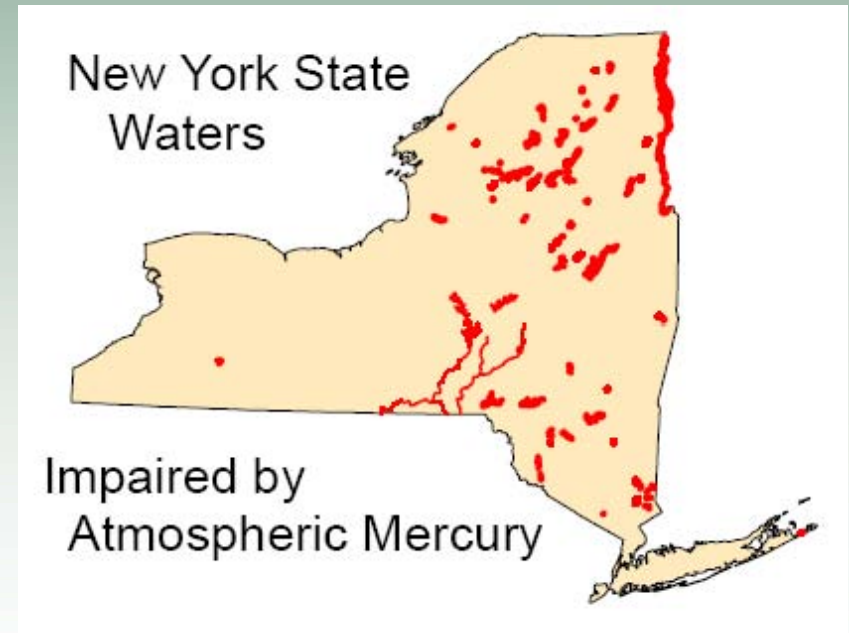
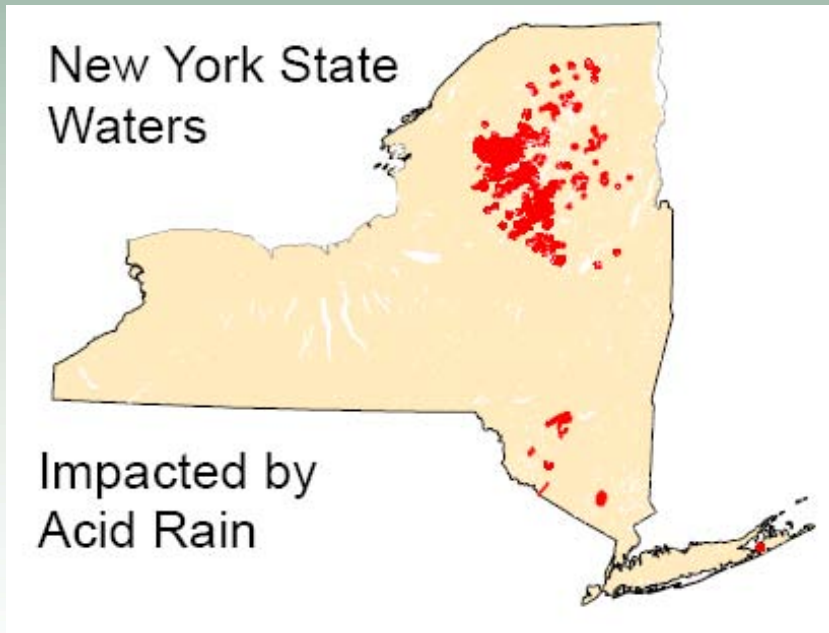
Old McDonald
Had a CAFO,
E-I-E-I-O

And on his CAFO
He had a...



Others NPS Problems

- Atmospheric Deposition/Acid Rain
- Atmospheric Deposition/Mercury

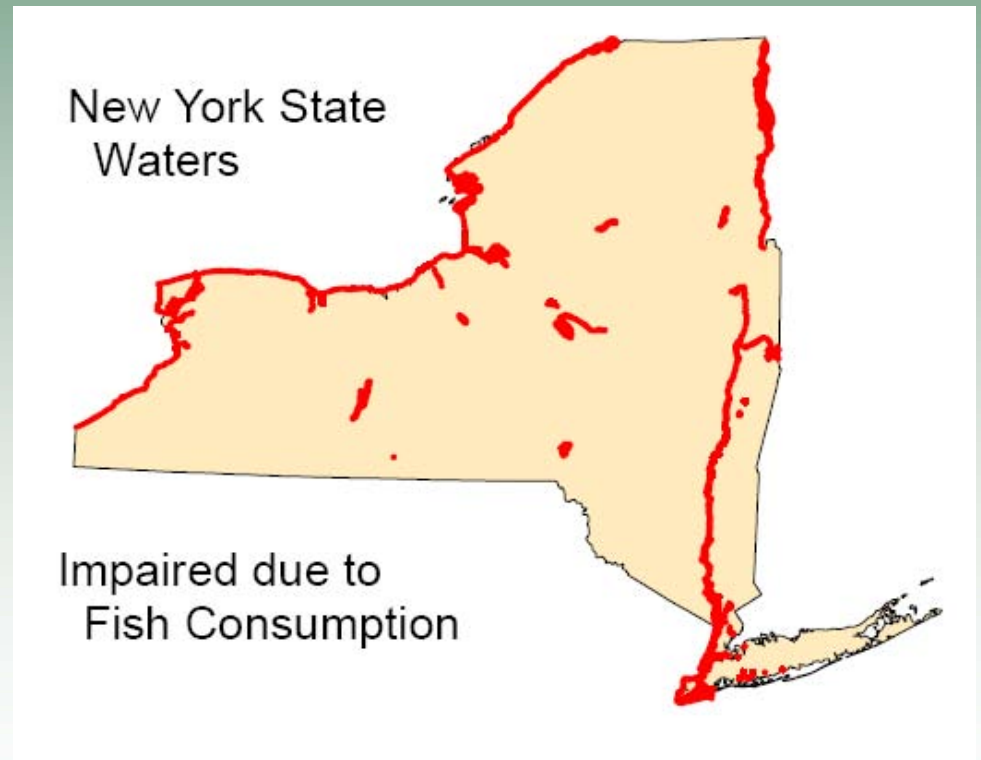


Have you fellas
Heard about the
Open Burning Regs?

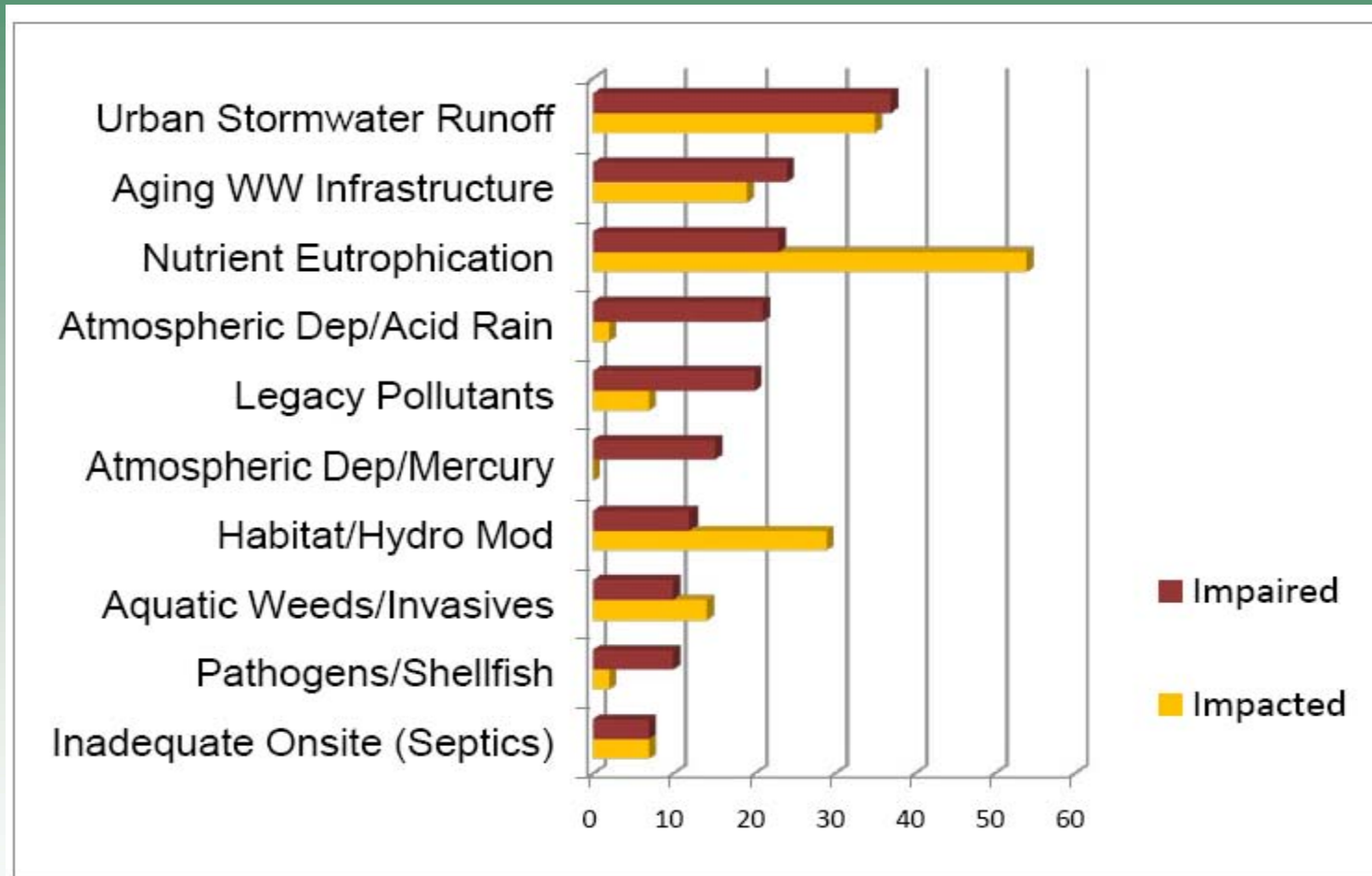


Others NPS Problems

- Legacy Pollutants/PCBs, etc



Top Ten WQ Problems in NYS



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