

Long Island Sound Water Quality Workshop

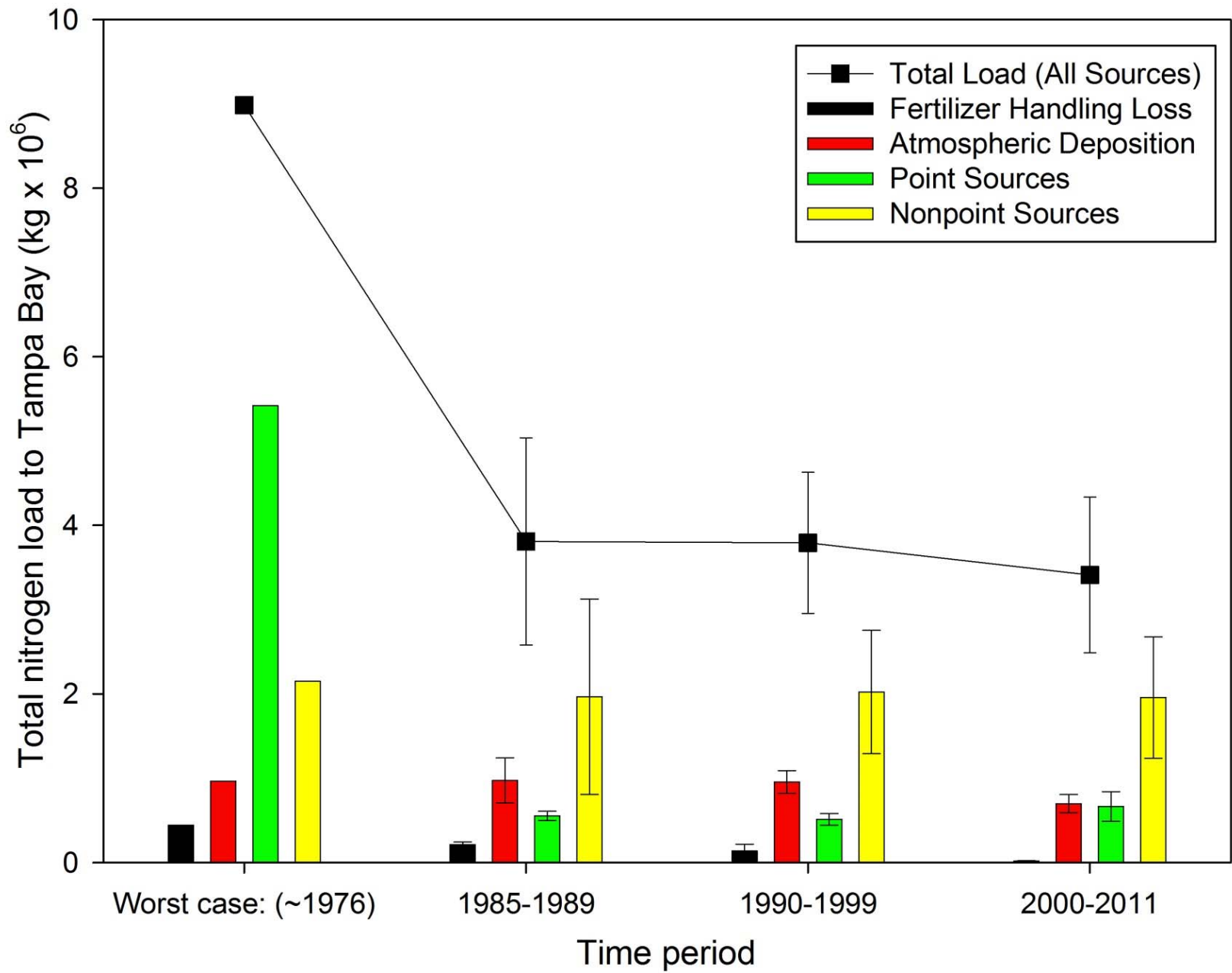
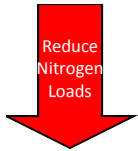
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Major Conclusions from Yesterday

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Major Conclusions from Yesterday

- As Point Source reductions continue, other sources will become more important.
 - Thus, our need to understand and model them increases
- Linkages between Nitrogen loading and Hypoxia are difficult to establish
 - Models can help us understand causal relationships between them
- There is a need to consider alternate endpoints (e.g. chlorophyll, seagrass) in addition to hypoxia

The Paradox of Patience vs. Precautionary Principle

- Evidence suggests that estuaries take time to respond to changes in loadings.
- Management activity often cannot wait for conclusive evidence.
- Models can potentially help us bridge this gap

Overarching Questions

- What are the next steps for our modeling program
 - Improving existing models?
 - Developing alternate hypoxia based approaches?
 - Modeling other eutrophication endpoints?
- Should alternative approaches supersede or complement ongoing efforts?

Overarching Questions

- What are the existing data gaps, and what new data might improve our ability to model LIS?
 - Hypoxia
 - Alternative endpoints
 - Different parameters, more spatial coverage, more temporal coverage, etc...

Overarching Questions

- How can we better incorporate anticipated future ecosystem dynamics and changing climate into our models?
 - Different approaches
 - Different simulations
 - More/Better data