Path to EPA

Dr. Marcus W Beck, Ecosystem Ecologist and Data Scientist

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2002-2009

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- BSc in Zoology
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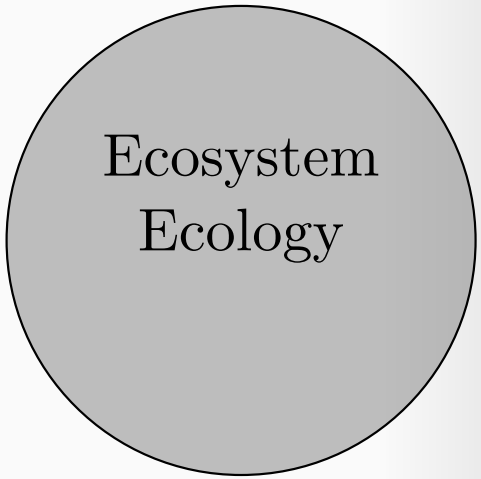
2010-present

- Intern for Minesota DNR
- PhD in Conservation Biology
- Post-doc at GED

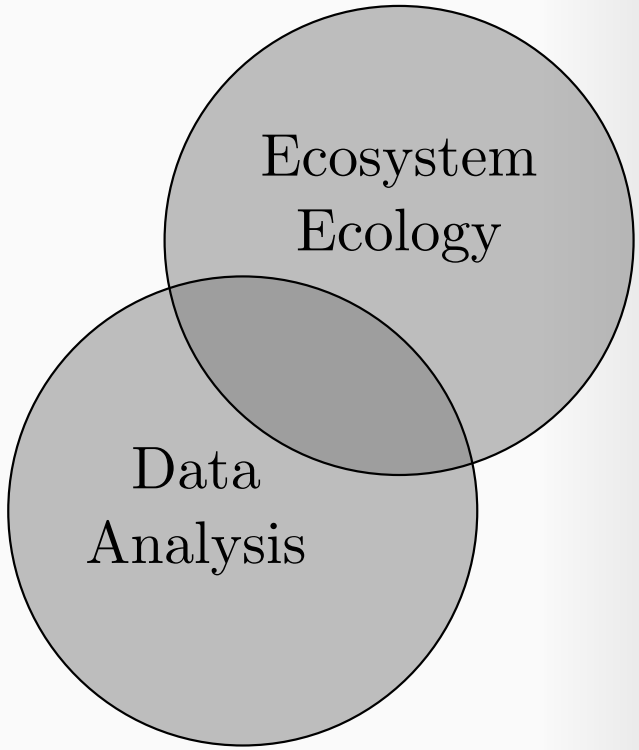
My interests

- Water quality
- Biological monitoring
- Eutrophication
- Aquatic Macrophytes
- Ecosystem metabolism



My interests

- Indicator development
- Time series methods
- Reproducible research
- Visualization and graphics
- Model comparisons



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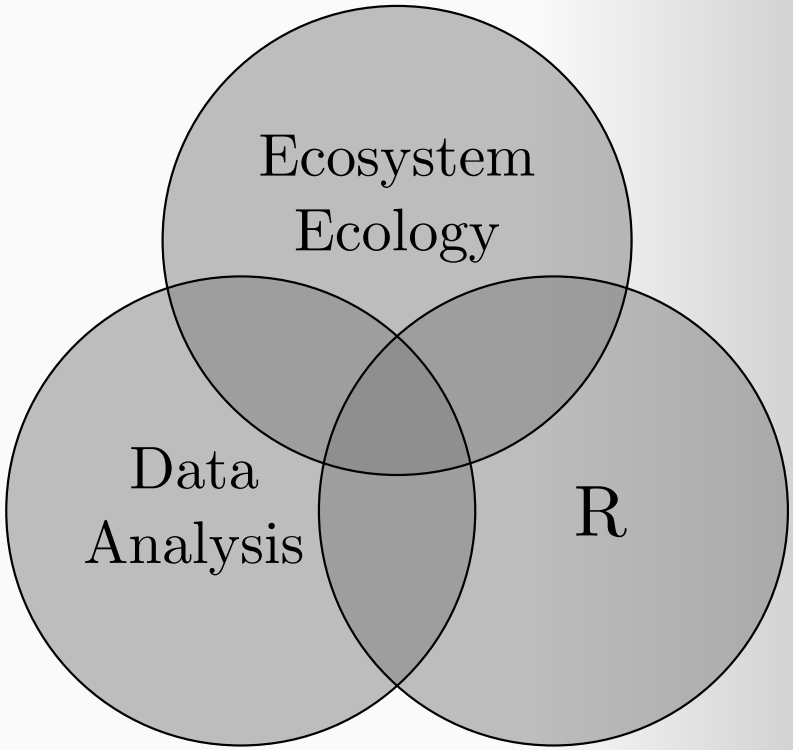
- SWMPr
- WtRegDO
- WRTDStidal
- ggord
- rStrava



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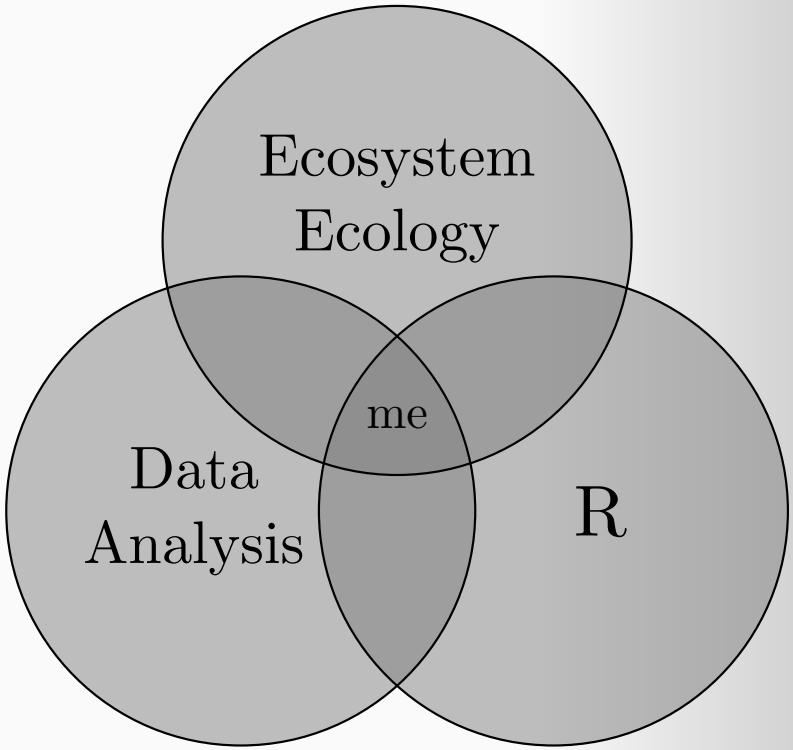

Past work - Biological assessment of lakes

How appropriate is a biological index for characterizing effects of multiple stressors? Will it work within a regulatory framework?

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Assess waters

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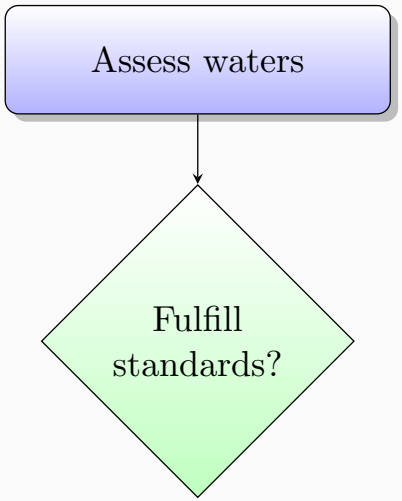

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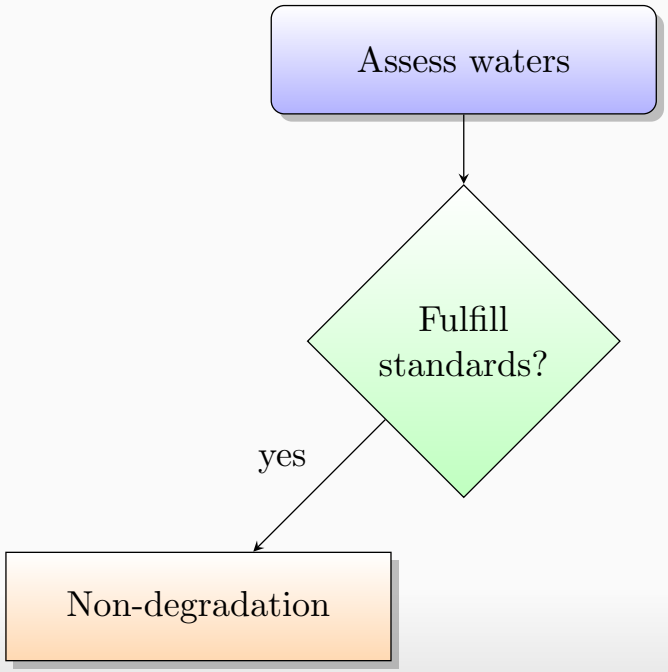

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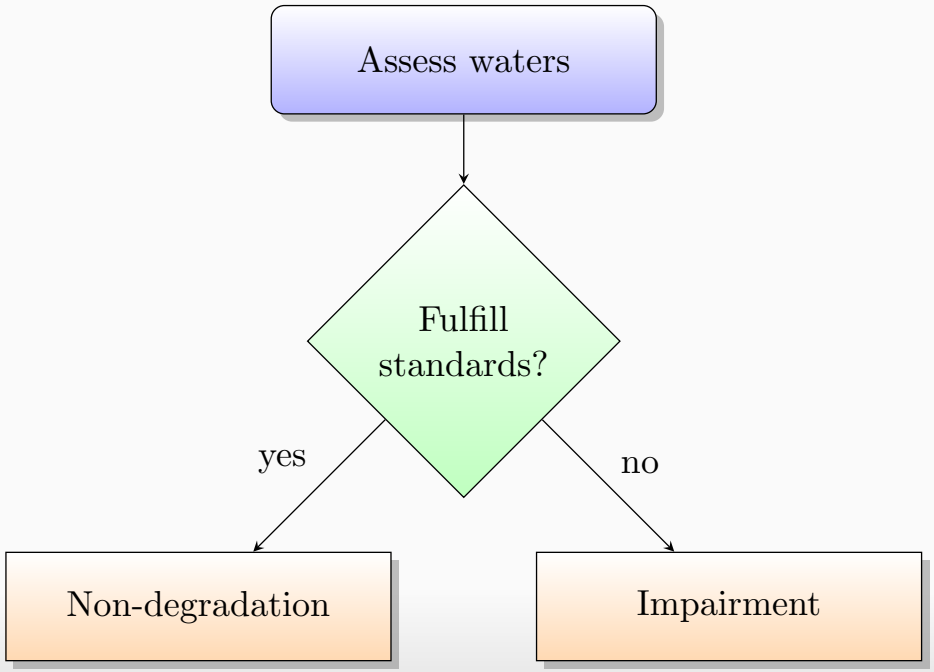

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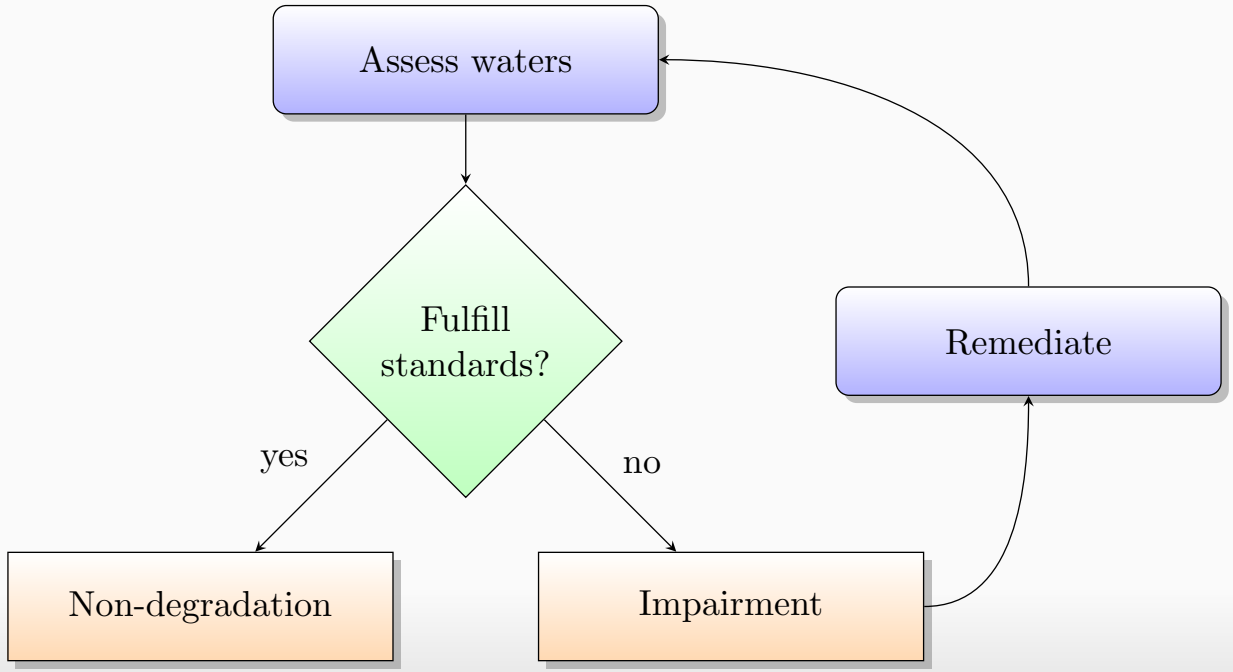

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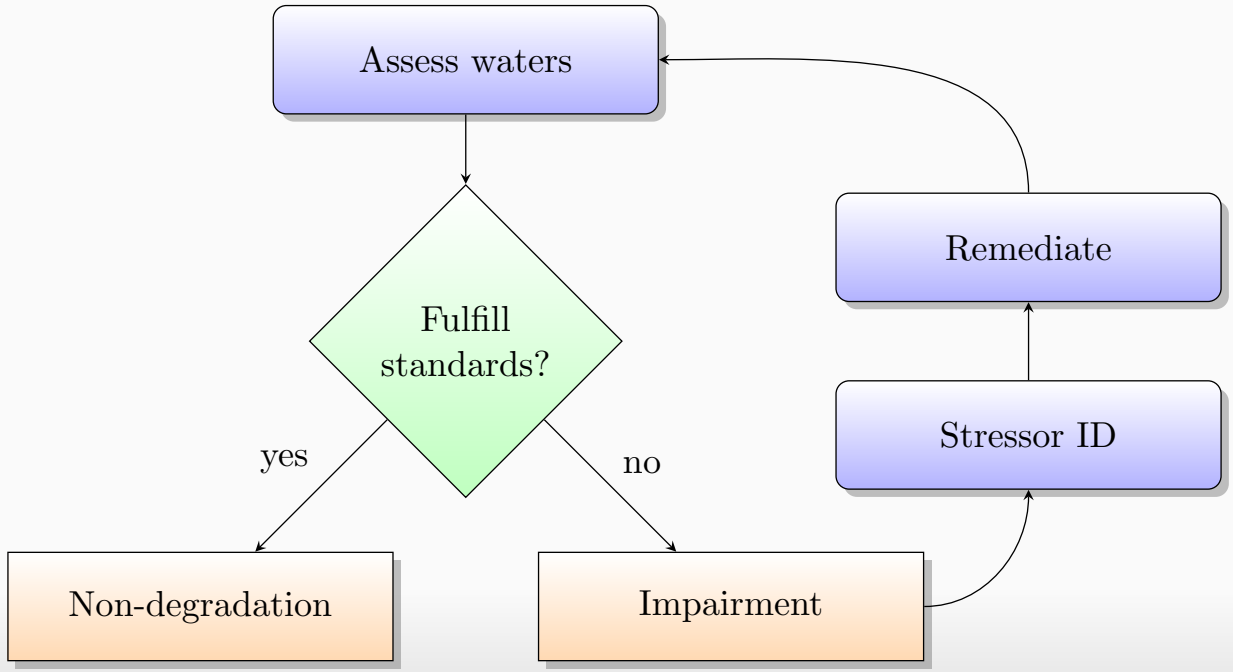

Current work - Evaluating estuarine condition

How can we leverage monitoring data to develop our conceptual model of eutrophication?

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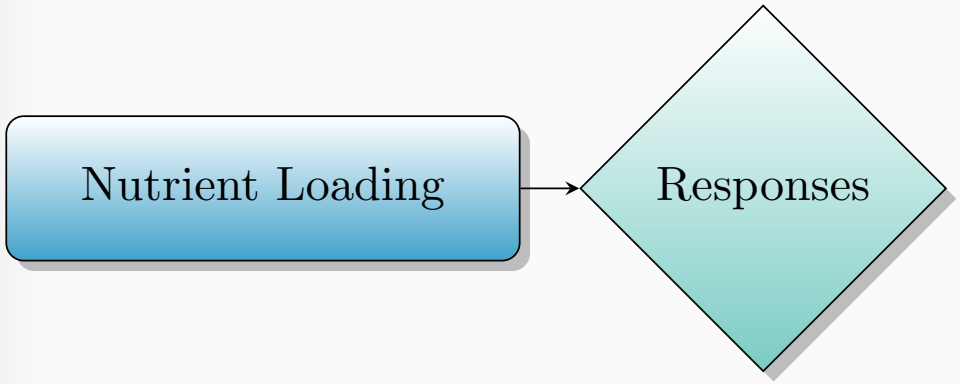

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