Harmful Algal Blooms

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Blooms
Law and Regulation

Harmful Algal Blooms

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Outline

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1 Introduction

- Harmful Algal Blooms
- Law and Regulations
- Research Survey

What are they?

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- Cyanobacteria grown in excess
- Large biomass
 - Decrease biodiversity
 - Anoxic
 - Ugly
- Red tides
- Toxin producing generas

Harm

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Irritant

Lipopolysacharides

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Toxins

- Microcystin and nodularin
- Cylindrospermopsin
- Anatoxin

Law and Regulation

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Harmful Algal Blooms Law and Regulations

- Safe Drinking Water Act
- Maximum Contaminant Level
- Contaminant Candidate List
 - "More like guidelines"
- Recreational and drinking water

Research Survey

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Research Survey

- Sampled 29 inland lakes
- Measured Toxins
 - Microcystin
 - Cylindrospermopsin
 - Anatoxin
 - Saxitoxin