

Ballast Water Regulation & Invasive Species Control in the Great Lakes

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Assignment

Research the various ballast water regulations being proposed in the Great Lake states to control the introduction of invasive species. Write a report or make a Power Point presentation that describes and evaluates the proposed regulations and addresses the topics listed in the outline.

Report Outline

- I. Introduction & explanation of problem
- II. Great Lakes and St. Lawrence Seaway
 - A. Geographic and historic overview of shipping & Great Lakes fisheries
 - C. Economic value to consumers, port cities, shipping industry, etc.
 1. Past
 2. Present
 3. Future
- III. Invasive Species
 - A. Types
 1. Sea Lamprey
 - a. Origin
 - b. Method of introduction
 2. Zebra Mussel
 - a. Origin
 - b. Method of introduction
 3. Others
 - a. Origin
 - b. Method of introduction
 - B. Environmental Impact
 1. Direct competition with native species for food sources
 2. Habitat alteration
 3. Ecological disruption...
 - C. Economic Impact
 1. Damage to infrastructure (utilities and industry intakes)
 2. Property Damage
 3. Fisheries impacts
 4. Recreation impacts
- IV. Federal Invasive Species Control Act
 - A. Overview
 - B. Inadequacies
 1. Actual
 2. Perceived

V. Proposed State Regulations

A. Why Needed

B. National initiatives

C. Individual state initiatives

1. Ohio 2. Michigan 3. Etc.

D. Support for regulation: from whom & why

1. Shipping industry, utilities, municipalities, tourism, scientists, environmental groups, etc.

2. Economic impacts

3. Environmental impacts

4. Etc.

E. Opposition to regulation: from whom & why

1. Shipping industry, utilities, municipalities, tourism, scientists, environmental groups, etc.

2. Economic impacts

3. Environmental impacts

F. Possible legal challenges

1. Commerce clause

2. International treaties

VI. Conclusions & recommendations

VII. References