

Canals & Waterways

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Action Plan

- 1-page Summary
- Background Statement
- Performance Goals
- Ongoing Activities
- Alternative Actions
- Recommended Actions
- 1 Figure, 1 Table, 4 Appendices, 2 Attachments
- Comments & Responses and Broader Issues

Priority Waterways

- Interbasin Waterways:
 - 1) Chicago Sanitary & Ship Canal
 - 2) Lake Champlain Canal (New York State Canal System)
 - 3) Ohio-Erie & Miami-Erie Canals
 - 4) Intrabasin waterways: Soo, Seaway, (Welland)

Goals

- Prevention
- Assessment, Detection, Monitoring & Response
- Control & Management
- Outreach & Education
- Applied Research
- Human Health

Goals

- Prevention
 - Pass a NAISA-like bill
 - Fully fund barriers & recon studies
 - Prevent flood-related connections
 - No development of new canals
 - No improvement of canals in disrepair or disuse
 - Physically close non-commercial canals

Goals

- Assessment, Monitoring, Response
 - Comprehensive AIS monitoring plans
 - Rapid response plans for top 3 canal systems
 - Communication strategies for AIS sightings

Goals

- Control & Management
 - Continued sea lamprey control funding
 - Fully fund Asian carp management plan
 - Prohibit use of invasive organisms in aquaculture
 - Prohibit transgressions of watersheds

Goals

- Outreach & Education
 - Fund and implement AIS education programs
 - Fund “consequences” education for canal management agencies
 - Outreach plans for carriers / shipping industry

Goals

- Applied Research
 - Targeted federal funding for barrier research
 - Study of alternative cargo transportation between watersheds
 - Address AIS spread during flood events
 - Research alternative approaches

Goals

- Human Health
 - Storm & waste water conveyance w/o spread of AIS

Alternatives

- Physical barriers – closure, dams, separation
- Boat lifts, graving docks, marine rail
- Behavioral barriers – electric, acoustic, visual
- Chemicals – piscicides, pheromones
- De-oxygenation – heat, BOD, nitrogen
- Containment & capture
- Seasonal lock use
- Biota eradication zone

Recommendations

- Provide money to identified lead agencies:
 - To prevent the problem
 - To monitor the problem
 - To help the public monitor the problem
 - To help people learn about the problem
 - To study methods to solve the problem
 - To construct methods to solve the problem
 - To monitor the methods used to solve the problem
 - To rapidly respond to the problem
 - To manage and control the problem
 - To move cargo or water without having a problem