

Canadian Ballast Water Management

Current Policy and Perspectives

Presented by Pat Lim
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Canadian Ballast Water Management

- National Canadian Ballast groups
- Canada Shipping Act
- West Coast Working Group
- Annex II, Coastal Shipping
- Research Summary

Canadian National Ballast Groups

- Atlantic, Quebec, Ontario, Pacific, Arctic
- Represented through regional Canadian Maritime Advisory Committees (CMAC)
- Guidelines presently in use

Recognizing that ecosystems are different within Canada, regional implementation of these guidelines is appropriate to account for differences in trade, ship type, geography, specific exotic species introduction risk, etc.

Masters should be governed by the specific regional ballast water management procedures required for their vessel and voyage as outlined in annexes II, III, IV and V

National Canadian Ballast Groups



Canada Shipping Act

- principal piece of legislation governing the operation of Canadian vessels everywhere as well as foreign vessels in waters under Canada's jurisdiction
- one of the oldest pieces of legislation still in effect in Canada
- originally based on the British *Merchant Shipping Act* of 1894

Canada Shipping Act

- simplify the statutory framework
- make the Act consistent with federal regulatory policies
- enable the marine industry to operate more effectively and contribute to Canada's economic growth while protecting the marine environment

Canada Shipping Act

- Ballast regulations will be separate
- Fall of 2004 - convert present guidelines to regulations
- Gazette Part 1 90 day wait
Gazette Part 2
- IMO convention adopted in Feb 2004 complicated matters
- 2006 CSA 2001 incorporate IMO requirements



West Coast Working Group



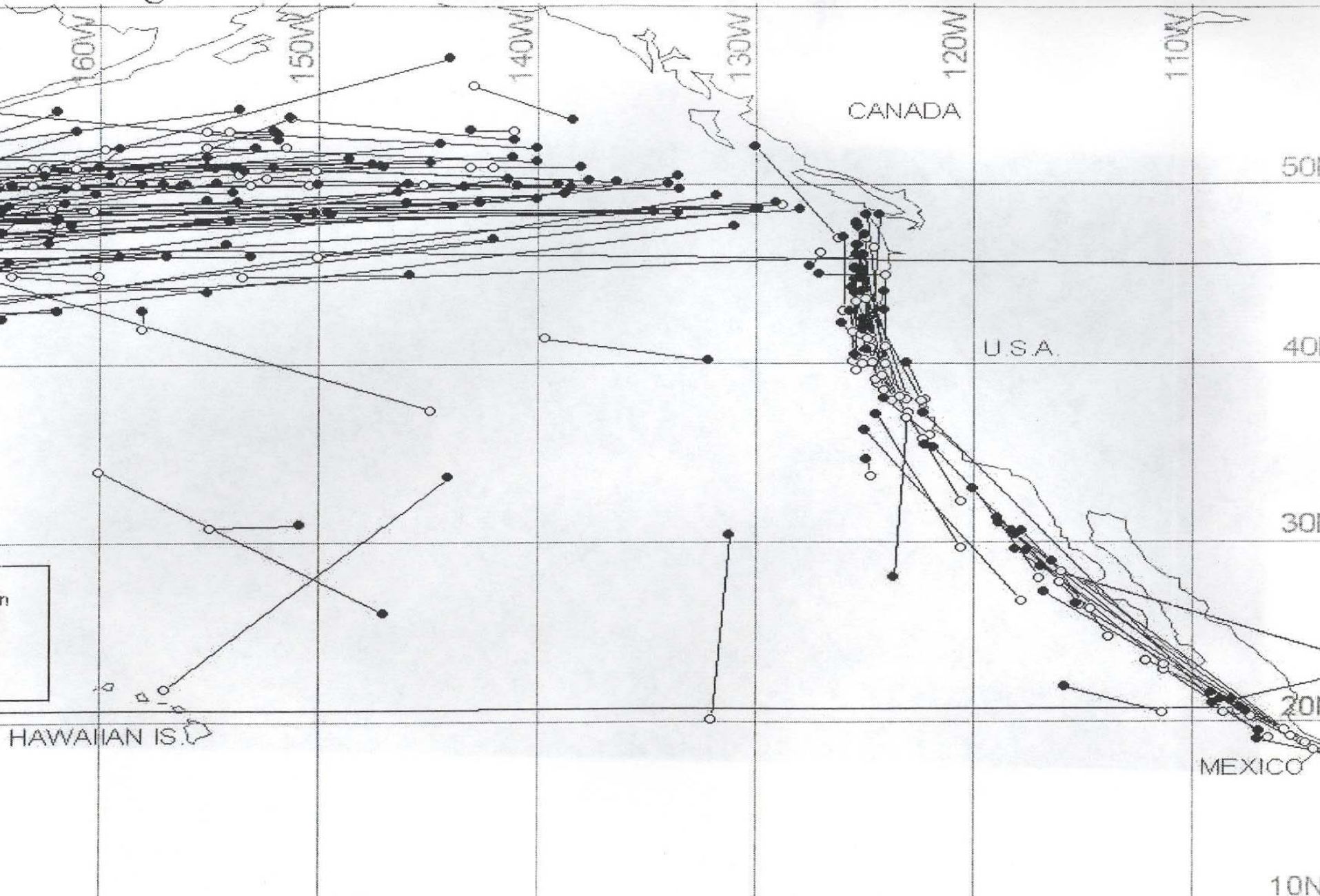
- Based in Vancouver, BC
- Principal members are:
Vancouver Port Authority, Chamber of Shipping, Transport Canada, Fisheries and Oceans, industry
- Focus is regulatory
- Reports annually to regional and national groups

Annex II



- Will identify the unique issues of Pacific
- Will take into account the findings of this group
- Will use the peer-reviewed scientific information from DFO scientists

Exchange Locations Within the Pacific Ocean - East of the International



Ballast Research in Canada

- Invertebrate fauna in ballast water
- Surface water transport and diffusion
- Ballast treatment effects on phytoplankton
- Alternate exchange zones
- GIS Mapping of exchange points