

# Designing a Healthy Puget Sound and Salish Sea: Ten Commandments

Puget Sound Partnership Science Panel Meeting  
November 18, 2008  
Friday Harbor Laboratories

Joe Gaydos  
The SeaDoc Society  
[www.seadocsociety.org](http://www.seadocsociety.org)

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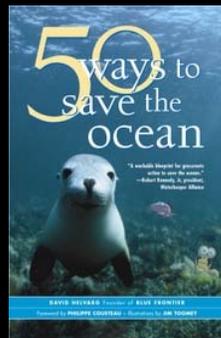




[www.travelwizard.com](http://www.travelwizard.com)



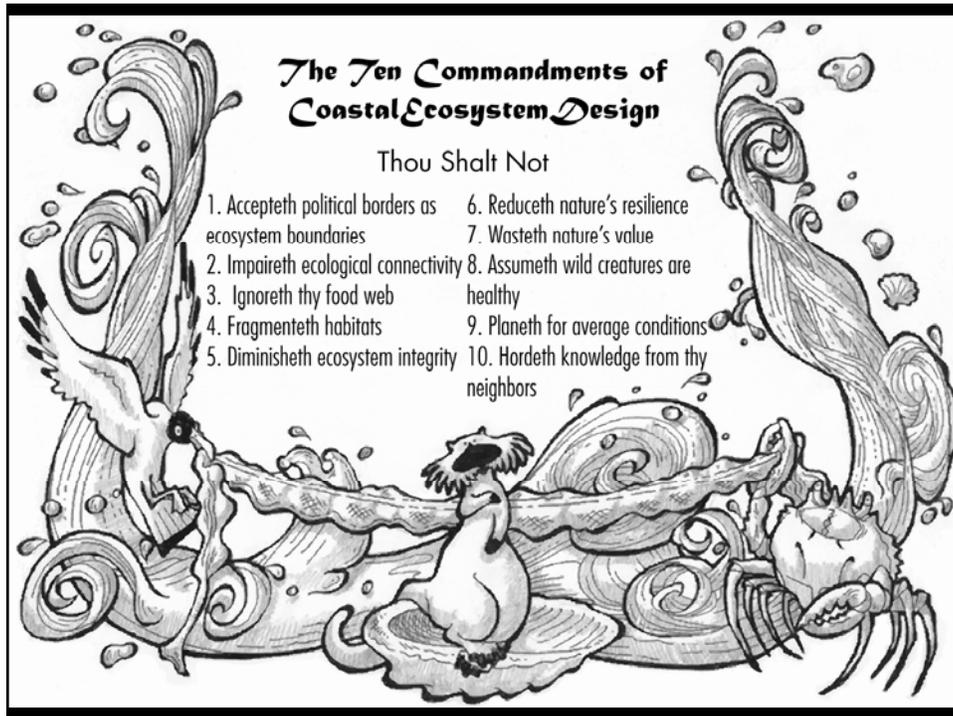
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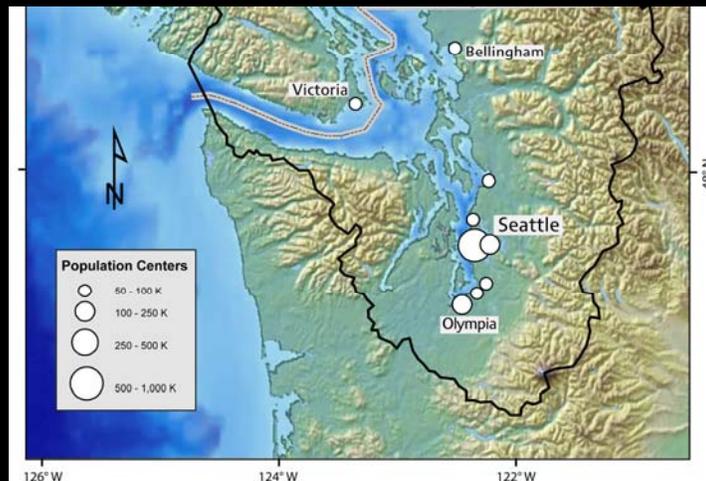
<http://www.montereybayaquarium.org/cr/seafoodwatch.aspx>

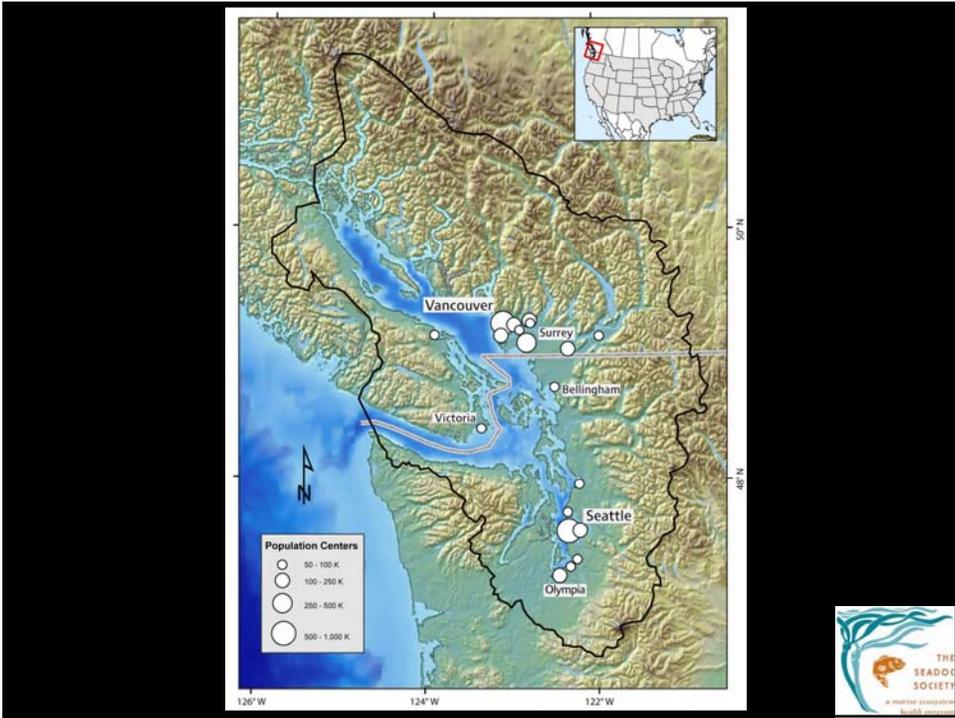
### Ten Things YOU Can do to Save Our Ocean!

- 1.LEARN all you can. Read, surf the web and experience the ocean directly.
- 2.Be a SMART SHOPPER. Ask grocery stores and restaurants about the source of their seafood.
- 3.CONSERVE water. Be careful when washing your car or watering your lawn.
- 4.REDUCE household pollutants. Cut down and properly dispose of herbicides, pesticides and cleaning products.
- 5.REDUCE waste. Dispose of trash properly. Where possible, recycle, re-use, and compost.
- 6.REDUCE automobile pollution. Use fuel efficient vehicles or carpool. Recycle motor oil and repair oil and air conditioning leaks.
- 7.PROTECT ocean wildlife. Don't dispose of fishing lines, nets, or plastic items in or near the water.
- 8.BE CONSIDERATE of sea life habitats. Don't bother sea birds, mammals, and turtles or their nesting grounds. Support marine protected areas.
- 9.GET INVOLVED take part in a beach cleanup or other ocean-related activities.
- 10.CARE! PASS ON YOUR KNOWLEDGE!  
(<http://dusk2.geo.orst.edu/oceans/yoto.html>)



# 1: Think ecosystem: political boundaries are arbitrary





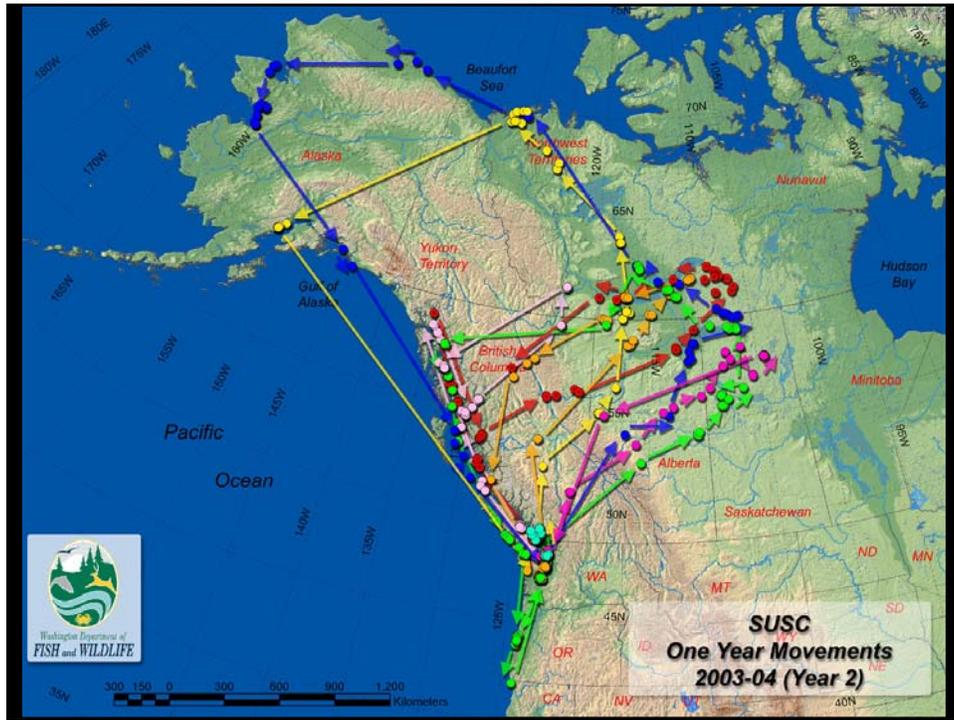
[www.foodmapper.com](http://www.foodmapper.com)

# STATE OF THE SALISH SEA 2009



## 2: Account for ecosystem connectivity



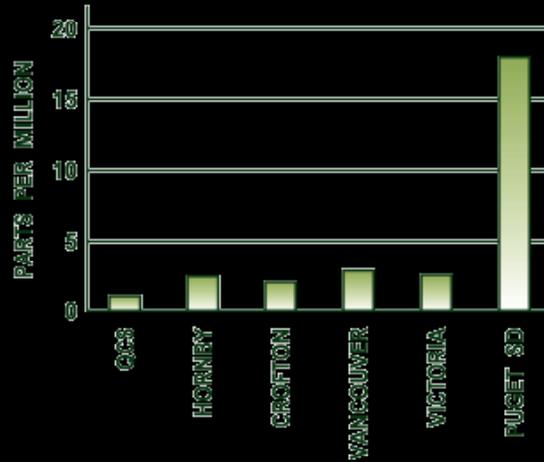




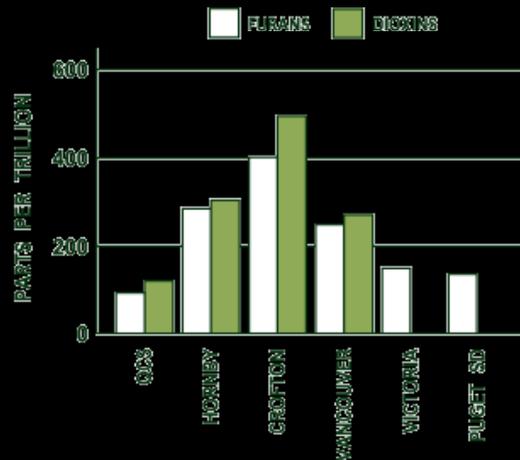
### **3: Understand the food web**

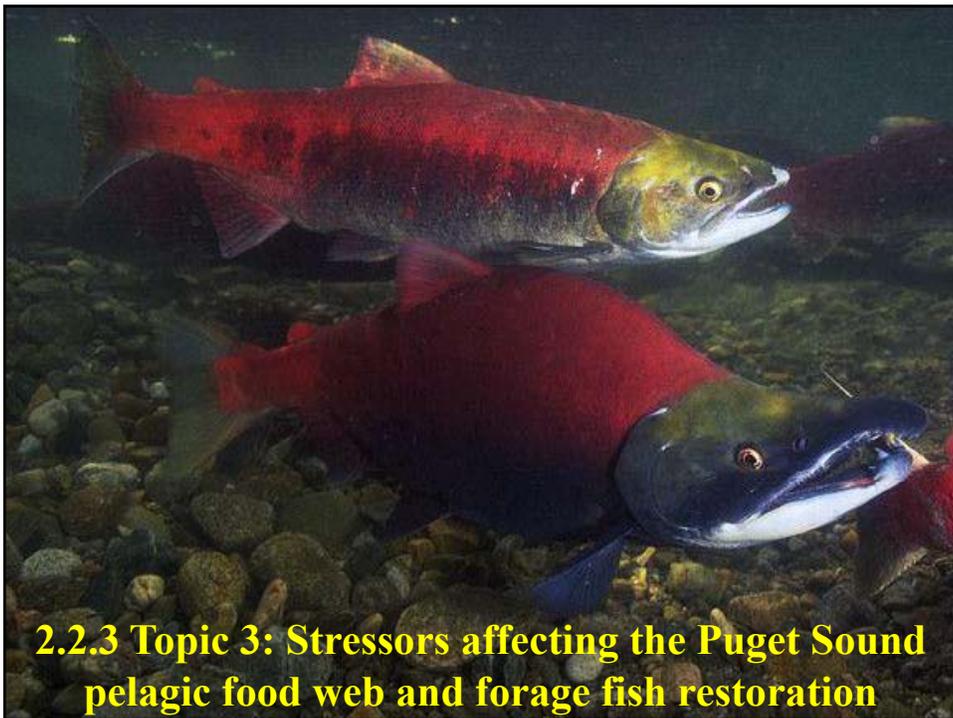


## PCBs in Harbor Seals from the Salish Sea



## Dioxins and Furans in Harbor Seals from the Salish Sea





**2.2.3 Topic 3: Stressors affecting the Puget Sound pelagic food web and forage fish restoration**

## 4: Avoid fragmentation



©Hugh Shipman



**2.2.1 Topic 1: Adaptive management for nearshore restoration**



© J. Nichols

## 5: Respect ecosystem integrity



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## 6: Support nature's resilience



...or, help her roll with the punches

## Causes Listed for 26 Threaten or Endangered Species

Over-harvest	Habitat loss	Contaminants	By-catch	Other*	Unk.
42%	42%	46%	27%	50%	50%

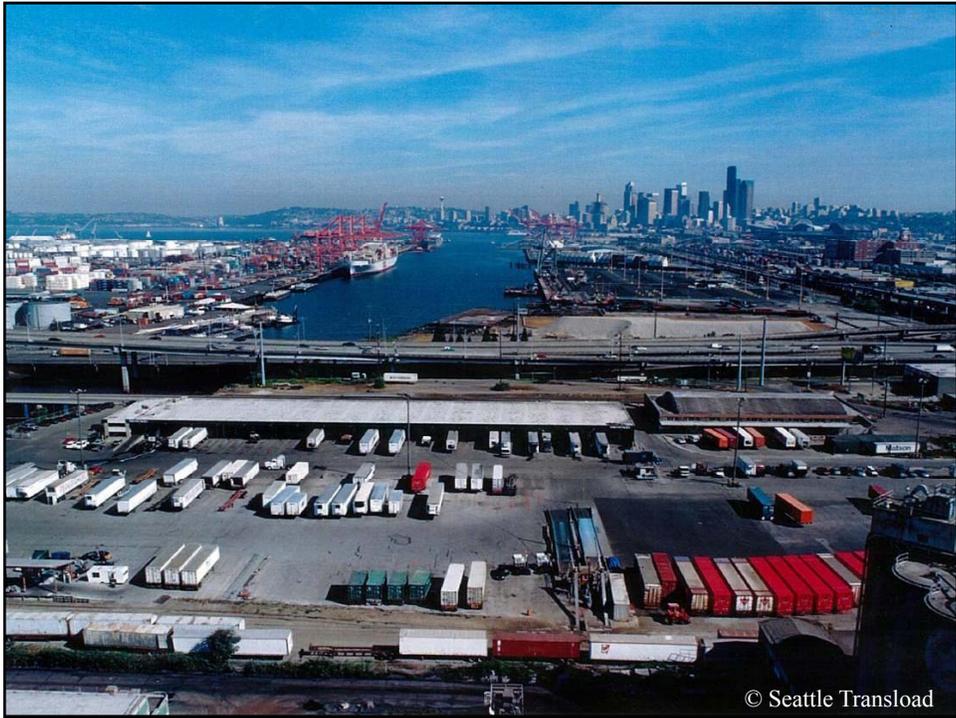
\*\* recruitment failure, introduced species, poor water quality, naturally occurring biotoxins, marine debris ingestion, decrease in prey availability





## **7: Value nature: it's money in your pocket**





**2.2.4 Topic 4: Ecosystem services and socioeconomic indicators**



**8: Watch wildlife health**





## 9: Plan for variability



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## 10: Share the knowledge



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