

AGENDA

2012 Friday Harbor Laboratories Research Symposium
Conservation and Ecology of Marine Forage Fishes
September 12-14, 2012

Primary Objectives:

- Review current research and management relating to marine forage fish species
 - Identify priority science and policy actions for Washington and British Columbia
-

Wednesday, September 12 (evening)

**Ferry departing Anacortes 4:45 PM arrives Friday Harbor 5:50 PM*

6:30 – 8:00 PM Check-in at Friday Harbor Laboratories; salmon BBQ

Thursday, September 13

**Ferry departing Anacortes 6:25 AM arrives Friday Harbor 7:30 AM*

| | |
|------------------|--|
| 7:30 – 8:30 AM | Buffet breakfast Hang posters/ displays |
| 8:45 – 9:00 AM | <i>Welcome and introductions:</i> Adam Summers, UW/Friday Harbor Labs; Caroline Gibson, Northwest Straits Commission |
| 9:00 – 9:10 AM | <i>Symposium goals/ setting the stage:</i> Brie Van Cleve, Facilitator |
| 9:10 – 9:30 AM | <i>Forage fish management in Washington</i> Dayv Lowry, Washington Department of Fish and Wildlife |
| 9:30 – 9:50 AM | <i>Forage fish management in British Columbia</i> Jennifer Boldt, Fisheries and Oceans Canada/ Pacific Biological Station |
| 9:50 – 10:15 AM | <i>Herring and the ecological effects of infectious and parasitic diseases</i> Paul Hershberger, U.S. Geological Survey |
| 10:15 – 10:30 AM | Break |
| 10:30 – 10:50 AM | <i>Toxic contaminants and effects on adult herring and eggs</i> Jim West, Washington Department of Fish and Wildlife |
| 10:50 -11:10 AM | <i>Landscape and seasonal patterns of fishes and jellyfish in Puget Sound surface waters</i> Casey Rice, NOAA/ Northwest Fisheries Science Center |



NORTHWEST STRAITS
marine conservation initiative



PugetSoundPartnership
our sound, our community, our chance



Washington Department of
FISH and WILDLIFE

- 11:10 - 11:30 AM *Temporal variation of pelagic forage fish around San Juan Island*
Emily Runnells, University of Washington/ SAFS
- 11:30 - 11:50 AM *Seabird diets in the Salish Sea and Northern California Current*
Scott Pearson, Washington Department of Fish and Wildlife
- 12:00 - 1:00 PM **Lunch**
- 1:00 - 1:30 PM *Keynote: Advancing recommendations from the Lenfest Forage Fish Task Force*
Tim Essington, University of Washington/SAFS
- 1:30 - 1:50 PM *An iconoclastic view of herring and forage fish in the Salish Sea – match and mismatch between concern and ecology*
Doug Hay, Department of Fisheries and Oceans Canada/Pacific Biological Station (*Scientist Emeritus*)
- 1:50 - 2:10 PM *Native fish communities and habitat coupling: delivery of a nearshore energy subsidy by an offshore planktivore*
Jason Stockwell, University of Vermont/Rubenstein Ecosystem Science Laboratory
- 2:10 - 2:30 PM *Potential impacts of depleting forage species in the California Current*
Isaac Kaplan, NOAA/Northwest Fisheries Science Center
- 2:30 – 2:45 PM *Pacific sand lance burrowing/morphology*
Adam Summers, University of Washington/Friday Harbor Laboratories
- 2:45 - 3:00 PM **Break**
- 3:00 – 3:20 PM *Forage fish ecology and management in the California Current with an emphasis on predator needs*
Julie Thayer, Farallon Institute for Advanced Ecosystem Research
- 3:20 - 3:40 PM *Management and monitoring of forage fishes in Alaska*
Olav Ormseth (presenter) and Stephani Zador, NOAA/ AFSC
- 3:40 - 4:00 PM *Analyzing management strategies for marine forage fishes*
Felipe Hurtado-Ferro, University of Washington/ AFS
- 4:00 - 4:20 PM *Federal-state policies and the Coastal Pelagic Species FMP*
Lorna Wargo, Washington Department of Fish and Wildlife
- 4:20 - 4:40 PM *Pacific Forage Fish Campaign: Strengthening U.S. federal policy*
Steve Marx, Pew Environment Group



NORTHWEST STRAITS
marine conservation initiative



Washington Department of
FISH and WILDLIFE

4:40 - 5:00 PM *Questions/ wrap up:* Brie Van Cleve
5:30 – 6:30 PM *Social hour and posters*
6:30 – 7:30 PM **Dinner**

Friday, September 14

**Ferry departs Friday Harbor for Anacortes at 3:45 PM*

7:30 - 8:30 AM **Buffet breakfast**

8:45 – 9:00 AM *Key outcomes Day 1 and format for today:* Brie Van Cleve

9:00 – 9:15 AM *Forage fish in Puget Sound: An anecdotal perspective*
Duane Fagergren, Puget Sound Partnership and NW Straits Commission

Puget Sound Marine Food Web/ Forage Fish Monitoring Workgroup
Ken Dzinbal, Puget Sound Partnership

9:15 – 10:15 AM *Framework for research and policy discussion:* Brie Van Cleve

10:15 – 10:30 AM **Break**

10:30 AM – 12:00 PM *Discussion groups (facilitated): identify priority needs and actions*
Science: Joe Gaydos, SeaDoc Society; *Policy:* Kit Rawson, Tulalip Tribes

12:00 - 12:45 PM **Lunch**

12:45 - 2:30 PM *All reconvene:* Group consensus on priority actions for moving forward

2:30 - 2:45 PM *Symposium outcomes in the context of Salish Sea recovery: where do we go from here?*
Joe Gaydos, SeaDoc Society; Chair, Puget Sound Science Panel

2:45 – 3:00 PM *Wrap up:* Brie Van Cleve

3:00 PM **Adjourn**



NORTHWEST STRAITS
marine conservation initiative



Washington Department of
FISH and WILDLIFE