



SAN JUAN COUNTY
Marine Resources
Committee

Shellfish Growers and Marine Managers WORKSHOP

Global Climate & Ocean Acidification

*Implications for the San Juan Islands and
Shellfish Growers in the Northwest*



san juan county
marine stewardship area
our sea - our source - our future

San Juan Island
Friday Harbor Grange Hall

September 10, 2014
10am to 4pm



The Speakers

PROFESSOR JOEL BAKER

Joel holds the Port of Tacoma Chair in Environmental Science at the University of Washington Tacoma and is the Science Director of the Center for Urban Waters in Tacoma. He earned a B.S. degree in Environmental Chemistry from Syracuse University (1982) and M.S. (1985) and Ph.D. (1988) degrees in Civil and Environmental Engineering from the University of Minnesota. Dr. Baker's research interests center around the transport of organic contaminants in the environment, specifically atmospheric transport and deposition, aerosol chemistry, the dynamics of contaminant transport in estuaries, and modeling the exposure and transfer of bioaccumulative chemicals in aquatic food webs. He teaches courses in water quality modeling, environmental chemistry, and quantitative methods.

BILL DEWEY

Since receiving his degree in shellfish biology from the University of Washington in 1981 Bill Dewey has worked twenty-four years as a shellfish farmer in Washington State. He currently manages public affairs for Taylor Shellfish Company, the largest producer of farmed shellfish in the country, and owns and operates his own clam farm in Samish Bay. Bill has taken an active role throughout his career on environmental and human health regulations as they affect the shellfish farming industry.

TERRIE KLINGER

Terrie is the Director and Professor, School of Marine and Environmental Affairs, University of Washington; Stan and Alta Barer Endowed Professor of Sustainability Science; Adjunct Professor, School of Aquatic & Fishery Sciences; and a leader of the Center for Ecology of Changing Oceans at UW's Friday Harbor Laboratories. She serves as Governor's Appointee to the Northwest Straits Commission, Chair of the Olympic Coast National Marine Sanctuary Advisory Council, and Science Advisor to COMPASS. She earned a Ph.D. in Biological Oceanography from the Scripps Institution of Oceanography. Her research focuses on the ecology of nearshore benthic communities, with a special emphasis on the impacts of multiple stressors on marine ecosystem function and on the development of management strategies to reduce such impacts.

LINDA ANN KULLER AICP

Linda is a Planner IV with the SJC Department of Community Development. She holds an MS in Urban Studies/Community Development from Georgia State University, and a BA in Environmental Studies from Rollins College in Florida. She is certified by the American Institute of Certified Planners. In the past she has worked for Snohomish County as a Chief Planning Officer; Skagit County as a Senior Planner; the State of Georgia, in their Department of Community Affairs as a Regional Resource Coordinator; and the Southwest Georgia Regional Development Center as their Planning Director.

JAN NEWTON

Jan is a Principal Oceanographer with the Applied Physics Laboratory of the University of Washington and affiliate faculty with the UW School of Oceanography and the School of Marine and Environmental Affairs, both in the UW College of the Environment. She is the Executive Director of the Northwest Association of Networked Ocean Observing Systems (NANOOS), the US IOOS Regional Association for the Pacific Northwest. Jan is a biological oceanographer who has studied the physical, chemical, and biological dynamics of Puget Sound and coastal Washington, including understanding effects from climate and humans on water properties. Currently she has been working with colleagues at UW and NOAA to assess the status of ocean acidification in our local waters.



The Agenda

- 10:00 am** ***Introduction and Welcome***
- 10:15 am** Dr. Terrie Klinger, Co-Director, Washington Ocean Acidification Center
Dr. Jan Newton, Co-Director, Washington Ocean Acidification Center
- Global Climate Change and Ocean Acidification***
- 11:30 am** Joel Baker, Director of Puget Sound Institute
- Plastic in the Ocean: Much Ado About....Something?***
- 12:15 pm** ***Working Lunch***
- 12:30 pm** Linda Kuller, SJC Community Development Department
- San Juan County Critical Areas and Shoreline Master Plan: Aquaculture Regulations***
- 1:15 pm** Voting for Seafood Competition; Clean up and reformat room if necessary
- 1:30 pm** Bill Dewey, Taylor Shellfish
- Ocean Acidification and Effect on Shellfish***
- 2:15 pm** Trends & Responses in San Juans and Salish Sea - Group Discussion
- * Sharing current practices - Round-Robin
 - * Local Observations
 - * Actions/Responses
- Optional:** ***Evening Program at San Juan Community Theatre***
- 5:00 pm** Reception-Northwest Straits Foundation
- 7:00 pm** Climate Action Imperative: Understanding Impacts and Making Choices 2014 Lecture Series – Final Event



The Partners



Northwest Straits INITIATIVE

partners in marine conservation



PugetSoundPartnership

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Workshop Evaluation

“Ocean Acidification—Recent Trends Affecting Northwest Shellfish Growers”

September 10, 2014—Friday Harbor, WA

For each of the following, how would you rate the presentation in terms of value/usefulness to your work and life back home?

“Global Climate Change and Ocean Acidification”-Terrie Klinger (10:15AM)

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

“Global Climate Change and Ocean Acidification”- Jan Newton (10:15AM)

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

"Plastics in the Ocean..."-Joel Baker (11:30AM)

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

"Aquaculture Regulations..."-Linda Kuller (During Lunch)

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

"Ocean Acidification and Effect on Shellfish"-Bill Dewey (1:30PM)

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

Did the workshop meet your expectations?

Yes ___ No ___

Comments:

Would you attend a similar workshop again?

Yes ___ No ___

Comments:

Would you be interested in being part of a shellfish growers/marine managers workshop group that would meet quarterly?

Yes ___ No ___

Comments:

Best contact info (email, phone) if answer to above was yes:

On a scale of 1 to 5 (1 = low satisfaction and 5 = highly valuable), please rate the following:

Overall usefulness of this workshop

5 ___ 4 ___ 3 ___ 2 ___ 1 ___

Comments:

Timeliness of information 5__ 4__ 3__ 2__ 1__

Comments:

Workshop site and environment 5__ 4__ 3__ 2__ 1__

Comments:

Length of the workshop 5__ 4__ 3__ 2__ 1__

Comments:

Handouts and resources 5__ 4__ 3__ 2__ 1__

Comments:

Use of slides/visual materials 5__ 4__ 3__ 2__ 1__

Comments:

Opportunity to ask questions 5__ 4__ 3__ 2__ 1__

Comments:

What did you like most about this workshop?

What did you like least about this workshop?

What suggestions do you have for future workshops?

What can Federal, State, and County agencies do to help encourage small business in aquaculture?

Any additional comments? (Feel free to continue on the back of this page.)
