



14th Bainbridge Island Environmental Conference

Sunday, May 21st, 2017 12:30 p.m. to 5:30 p.m. IslandWood

Changing the Nature of Puget Sound:

A look at the impacts of industrial aquaculture

- 12:30 p.m. Registration/Exhibits at IslandWood Welcome Center**
- 1:00 p.m. Introduction to Conference - Frank Stowell, Moderator**
Presentation of ABC Environmental Award 2017 to Maradel Gale
- 1:10 p.m. Maradel Gale, Coalition to Protect Puget Sound - Overview of the Impacts of Industrial Aquaculture**
- 1:30 p.m. Jim Brennan, Marine Ecological Consulting Services - Dispelling the Myths of Aquaculture**
- 2:05 p.m. Thane W. Tienson, Landye Bennett Blumstein LLP - Legal Aspects including Shellfish Initiative**
- Amy Carey, SoundAction - Regulatory Gaps in Permitting**
- 3:00 p.m. Break to visit exhibits**
- 3:30 p.m. Specific Aquaculture Topics**
Kurt Beardslee, Wild Fish Conservancy - Atlantic Salmon Net Pens, friend or foe?
- Amy van Saun, Center for Food Safety – Pesticide Use in Shellfish Aquaculture**
- 4:30 p.m. Panel Discussion: Puget Sound Homeowners impacted by Industrial Aquaculture**
- Beverly McCallum, Case Inlet**
Jo Jensen, Burley Lagoon
Susan Macomson, Johnson Point
Kathy Hansen, Bainbridge Island
Brad Newell, Henderson Bay
- 5:20 p.m. Next steps – getting involved**
- 5:30 p.m. Adjourn (Please fill out evaluation sheets)**



Fourteenth Association of Bainbridge Communities (ABC) Bainbridge Environmental Conference Co-Sponsors

The Association of Bainbridge Communities (ABC) Conservation/Education Foundation -- The ABC Conservation/Education Foundation encourages and supports public education on the protection and preservation of the environment and natural resources of Bainbridge Island and its surrounding areas.

Bainbridge Alliance for Puget Sound (BAPS) – BAPS is a coalition of concerned Bainbridge Island citizens. Through education and advocacy BAPS works to protect and restore the health of Puget Sound, including its shorelines and the waters surrounding Bainbridge Island.

Bainbridge Island Land Trust (BILT)-- The Bainbridge Island Land Trust's mission is to preserve and steward the diverse natural environment of Bainbridge Island for the benefit of all. To achieve this goal, the BILT acquires interests in land having significant or potentially significant conservation values such as scenic vistas, wetlands, open spaces, tidelands, forest, unique plant and animal habitats and stream and wildlife corridors. BILT works with private landowners to protect their land using land protection agreements and works with a variety of partners to acquire land for parks, trails and public use.

Center for Food Safety (CFS) – CFS is a national non-profit public interest and environmental advocacy organization working to protect human health and the environment by curbing the use of harmful food production technologies and by promoting organic and other forms of sustainable agriculture. In its work CFS uses legal actions, groundbreaking scientific and policy reports, books and other educational materials, market pressure and grass roots campaigns.

City of Bainbridge Island (COBI) – COBI is involved in aquaculture issues through the state-mandated Shoreline Management Act and the Shoreline Master Program (SMP) adopted at the city level. In late 2016, the Bainbridge Island City Council adopted a set of protective and forward-thinking amendments to the SMP to regulate the industrial aquaculture use of our city's shorelines. Now these regulations are before the DOE for their review and approval.

Coalition to Protect Puget Sound -- The Coalition is an alliance of interested citizens, environmentalists, scientists, and recreation users who are concerned about current and expanding aquaculture in both the nearshore environment and public waters, and its impacts on plant, animal and ecological functions. The Coalition's mission is to voice citizens' concerns of aquaculture, its impact to the health and quality of Puget Sound and coastal waters and to effect changes to policies, regulations, and their enforcement to protect shoreline habitat.

Friends of Burley Lagoon – This 65-member community association joins a diverse group of shoreline property owners, fishermen, boaters, kayakers, swimmers, wind surfers, environmentalists--all concerned about the expansion of industrial shellfish farming on the shores of Puget Sound, its impacts to natural beaches of the Sound and to the ecosystems that are at risk, including endangered species.

Hood Canal Environmental Council (HCEC) -- HCEC was organized in 1969 by concerned citizens to oppose developments along the shoreline and in the watersheds of Hood Canal that could be harmful to the qualities that make the canal unique. HCEC supports activities that protect the water quality and the quality of life in the Hood Canal basin.

BIOGRAPHIES OF CONFERENCE PRESENTERS:

Kurt Beardslee is a co-founder of the Wild Fish Conservancy; he has been the organization's Executive Director for the past 26 years. As Director, Kurt's responsibilities include a variety of tasks from office administration to overseeing 19 staff with a variety of technical disciplines in science, education, and outreach. Kurt earned a BA in Advertising/Film Production from the Burnley School of Professional Arts in Seattle, Washington in 1969. Previously, Kurt worked as an Art Director in an advertising agency, producing educational films for the American Science Foundation; he also worked for 10 years designing and building one-of-a-kind furniture. He enjoys boating, fishing and exploring the remote coastal fjords of northern Canada with his wife, Candace, and his dog, Wally.

Jim Brennan has a Master of Science Degree in Marine Science from Moss Landing Marine Laboratories and 35 years of work experience. This work has focused on marine fisheries and habitats on the west coast of the U.S. (California, Oregon, Washington), but ranges from Antarctica to Alaska. Jim has worked in both the private and public sectors with responsibilities that include research, education, environmental assessment, watershed planning, restoration, regulatory, and policy programs. The last 27 years of his career have been spent working in Washington State on marine resource management with a focus on Puget Sound marine nearshore habitats and species, habitat modifications, ecological assessment, watershed and salmon recovery planning, and the development and implementation of alternative management actions for the protection, enhancement, and restoration of the Puget Sound nearshore ecosystem. Jim has served on numerous technical assessment and advisory committees, including the King County sponsored Nearshore Technical Committee (Chair), the Nearshore Science Team for the Puget Sound Nearshore Restoration Partnership, Department of Natural Resources Science Review Panel, Salmon Recovery Funding Board Technical Review Panel, and Bainbridge Island's Environmental Technical Advisory Committee. He also served as President of the Pacific Estuarine Research Society and Governing Board Member of the Coastal and Estuarine Research Federation, an international organization of coastal scientists. Jim currently runs his own private consulting business, focusing on marine shoreline restoration and education.

Amy Carey is the executive director of Sound Action – a watchdog group working to protect vital nearshore habitat and species throughout the Salish Sea. In Washington State, the primary law governing nearshore protection is the Hydraulic Code and in-water development requires a permit called an HPA which is under the jurisdiction of the State Department of Fish and Wildlife (WDFW). To date the organization has reviewed more than 2500 permits and through our appeal process, have earned significant gains in habitat protection. With a background as a marine and nearshore naturalist, Amy has over a decade of experience leading innovative and advocacy-based regulatory oversight work specific to the frontline protection of marine nearshore habitats and species.

Maradel Gale has been an environmental activist since 1962 when she served as a U.S. Forest Service lookout on the Gifford Pinchot National Forest. A founder and first President of the Oregon Environmental Council, Maradel lobbied successfully for many of Oregon's landmark environmental laws such as the Bottle Bill, ocean beach protection for public access, regulation of nuclear and thermal energy plant siting, bike and pedestrian path funding among others. A retired University of Oregon Professor, Maradel has been a member of the Bainbridge Island Planning Commission since January 2006 and was a founder and board member of Sustainable Bainbridge where she serves as Secretary.

Thane Tienson is a lawyer in private practice in Portland, Oregon, specializing in civil litigation with an emphasis on fisheries and environmental law. For over 30 years he has been actively involved in representing the interests of environmental and conservation groups and the commercial and recreational fishing industries in advocacy and litigation over fisheries and water quality issues in Oregon, Washington, and Alaska. He has been an active participant in federal litigation pertaining to the Endangered Species Act, Magnuson-Stevens Act, and Clean Water Act in Oregon, Washington, and

over

Biographies of Conference Presenters (continued)

Alaska, including ocean discharges and the direct and indirect effects of sediment contamination. Thane has mounted several legal challenges against Washington commercial shellfish growers, including the most recent appellate decision in Washington, *deTienne v. Coalition to Protect Puget Sound Habitat*, a November 2016 decision by Div. 1 of the Washington Court of Appeals, upholding a Shoreline Hearings Board decision to require a cumulative impacts analysis for a proposed five-acre geoduck farm in Pierce County.

Amy van Saun is an attorney in Center for Food Safety (CFS)'s Portland, Oregon office. Amy is a graduate of Lewis & Clark Law School in Portland, Oregon with a certificate in Environmental and Natural Resources Law and a passion for public interest environmental and food law. Amy joined CFS in 2015, following a practice in New York focusing on complex environmental insurance litigation. As part of CFS's legal team, Amy works on CFS's active docket of impact litigation and high-profile cases on issues related to pollinators and pesticides, industrial aquaculture (including shellfish aquaculture), organics, genetic engineering, concentrated animal feeding operations (CAFOs or factory farms), and food labeling.

NEIGHBORS OF INDUSTRIAL AQUACULTURE OPERATIONS:

Beverly McCallum has lived on Case Inlet since 1999, before the industry came to her neighborhood. She lives with oyster and geoduck operations in front of her home.

Jo Jensen lives on Burley Lagoon, with an oyster farm directly in front of her property. A proposed geoduck operation will be her new neighbor if it is permitted.

Susan Macomson has lived on Johnson Point for 15 years. Tidelands on either side of her property were leased for industrial aquaculture purposes.

Kathy Hansen is a Bainbridge Island resident who experiences the impacts of a large Atlantic salmon net pen operation nearly in front of her home on the south end of the island.

Brad Newell resides on Henderson Bay, near Burley Lagoon. He has been an active participant in legal actions to halt the destruction of the eelgrass-rich tidelands in his neighborhood.

ADDITIONAL PARTICIPANTS

Christopher Towey, cinematographer. Chris Towey has worked in the film industry for nearly three decades. During the past 12 years, he has traveled worldwide shooting for television, corporate, and feature films. Towey has served as cinematographer on feature-length documentaries including *Blackfish*, a Sundance featured film (purchased by Magnolia Pictures) that explores the exploitation of animals for the entertainment business; *Finding Hillywood*, which profiles a new generation of Rwandan storytellers; *Bear Trek*, which follows a biologist as he researches bears and climate change in Alaska and Peru; and *Trade Off*, which examines the World Trade Organization and its impact leading up to the 1999 Seattle riots, and was an official selection at film festivals in Canada and the U.S. Towey has also shot dozens of commercials and television programs for networks including MSNBC, National Geographic, E!, PBS Nature, Discovery Channel, History Channel and the BBC.

John F. Williams, underwater videographer. In 2002, after 20 years of visiting most of the world's oceans on research vessels mapping the seafloor, John started his own video production company, Still Hope Productions. Now he produces short educational films about topics related to our local waters and watersheds. His work has been seen on broadcast, satellite, and cable TV, at science conferences, as well as at local and national film festivals. From 2006 to 2009, he produced the award-winning TV series: "SEA-Inside: Pacific Northwest" about our underwater neighborhoods, that aired on over 60 community stations. John also heads a nonprofit organization named SEA-Media which is calling attention to the wealth of independent but under-publicized media about our local waters.

Evaluation: 14th ABC Bainbridge Island Environmental Conference 2017

1. How did you learn about this conference? *Islander* *Review* Friend/Colleague

Facebook IslandWood Website SB Website/ Email Other _____

2. How do you participate in environmental issues (Pick the most appropriate one)?

Employee in an Environmental Field Elected Official Volunteer for Environmental Organization

Belong to Environmental Organization Student Teacher Press Other _____

3. PROGRAM EVALUATION VERY GOOD GOOD FAIR POOR

Overall Program -----

Handouts/Table Exhibits-----

4. PRESENTATIONS

Impacts of Industrial Aquaculture-----

Dispelling the Myths-----

Legal Aspects/Shellfish Initiative-----

Regulatory Gaps in Permitting -----

Atlantic Salmon Net Pens-----

Pesticide use in Shellfish Aquaculture----

Panel Discussion: Impact on Homeowners-

5. PERSONAL REACTION TO PROGRAM

YES TO SOME NO

EXTENT

Was the technical level of the conference appropriate? -----

Did the program live up to your expectations?-----

Has this conference helped you understand aquaculture issues?

Should the Environmental Conference be held next year? ---- -

If YES please give us recommendations for future subjects: _____

6. HELPFUL SUGGESTIONS FOR SPEAKERS/ORGANIZERS

Critique of presentations/facilities/organization _____

7. ANY OTHER COMMENTS ABOUT THE CONFERENCE?

Cosponsors (continued)

IslandWood -- IslandWood's mission is to provide exceptional learning experiences and to inspire lifelong environmental and community stewardship. At its 250-acre outdoor learning center, and other off-site locations, IslandWood invites children and adults to discover a new way of seeing nature, themselves, and one another.

Kitsap Audubon -- Kitsap Audubon is dedicated to environmental education, nature study, the preservation of wildlife and habitat, and the enjoyment and appreciation of our natural areas. Kitsap Audubon closely monitors environmental issues and legislation and promotes timely action and support, consistent with their mission and values.

Murden Cove Preservation Association – The Murden Cove Preservation Association promotes and protects, to the fullest extent possible, the scenic, aesthetic, economic, sociologic, and ecologic qualities and resources of Murden Cove and the surrounding areas, and protects the residential character of that area.

Sierra Club Washington Chapter Water and Salmon Committee – The Water and Salmon Committee promotes the stewardship and responsible management of water in order to ensure its availability to sustain the natural balance between people and the environment.

Sound Action -- Sound Action is a Puget Sound watchdog group working to protect vital nearshore habitat and species. Sound Action reviews every nearshore development permit issued by Washington Department of Fish and Wildlife (WDFW). When science-based information is missing or overlooked by WDFW, Sound Action presents detailed documentation on species and habitats present as well as impacts of the proposal. If a permit is approved without appropriate provisions or in violation of state law, Sound Action takes legal action by appealing the permit.

Sustainable Bainbridge -- Sustainable Bainbridge works to build cooperation and collaboration among a broad-based network of local organizations, businesses, government and individuals to protect and strengthen the Bainbridge community's environmental, social and economic sustainability for current and future generations. A part of their mission is to increase awareness and understanding, and work to protect the finite and fragile environment of our island and its surrounding shoreline and waterways.

West Sound Conservation Council – The West Sound Conservation Council is a coalition of conservation groups in West Puget Sound dedicated to bringing the voice of environmental responsibility to the public debate.

Wild Fish Conservancy – The Wild Fish Conservancy supports the conservation and recovery of the Northwest's wild fish ecosystems through research and monitoring, community education, and advocacy for socially responsible and scientifically credible wild-fish conservation.

Links to resources for further reading:

- ① Coalition to Protect Puget Sound: <http://coalitiontoprotectpugetsoundhabitat.org/>
- ② Article on industrial aquaculture <http://coalitiontoprotectpugetsoundhabitat.org/wp-content/uploads/2013/02/not-your-grandfathers-oyster-farm.pdf>
- ③ Wild Fish Conservancy campaign: <https://www.oursound-oursalmon.org/>
- ④ Ward, Lindsey: *The Legal and Environmental Implications of the Washington Shellfish Initiative: Is it Sustainable?* Seattle Journal of Environmental Law, Downloadable at: <http://digitalcommons.law.seattleu.edu/cgi/viewcontent.cgi?article=1034&context=sjel>

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CO-SPONSORS

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Bainbridge Alliance for Puget Sound (BAPS)
Bainbridge Island Land Trust
Center for Food Safety City of Bainbridge Island
Coalition to Protect Puget Sound
Friends of Burley Lagoon
Hood Canal Environmental Council IslandWood Kitsap Audubon
Murden Cove Preservation Association
Sierra Club Washington Chapter Water and Salmon Committee
Sound Action Sustainable Bainbridge
West Sound Conservation Council
Wild Fish Conservancy

ORGANIZING COMMITTEE

Maradel Gale (Chair)	Marcia Lagerloef	Wayne Daley
Charles Schmid	Frank Stowell	Jim Brennan

FOOD, SUPPORT & VIDEOTAPING

Underwater videos by John Williams, Still Hope Productions
Snacks by IslandWood
A/V assistance provided by Zach at IslandWood
Cinematography by Chris Towey and Joe Towey
Rebels with a Cause . . . and a Check
Eleanor Stevens, Yes! Magazine Intern

PAST RECIPIENTS OF THE ABC ENVIRONMENTAL AWARD

The Silver Cup was originally presented to Jerry and Elane Helmuth in 1984

1991 Janet Knox	1997 Dale Spoor	2007 Jim Brennan
1992 Vince Mattson	1998 Dave Davison	2008 Lois and Lew Andrus
1993 Linda Schmid	1999 Road Ends Advisory Committee	2009 Jo Schaffer
1994 Sheila Crofut	2000 Frank Stowell	2010 Rachel and Robert Smith
1995 Bainbridge Island Land Trust	2001 Connie Waddington	2011 Wayne Daley
1996 Leigh Kennel	2003 Van Calvez	2012 Bob Burkholder
		2013 Olaf Ribeiro

Previous Environmental Conferences

1 st (2001) State of the Environment on Bainbridge Island	9 th (2009) The Truth about Dirt
2 nd (2002) Environmental Protection on Bainbridge Island	10 th (2010) Protecting the Island's Shorelines
3 rd (2003) Planting for a Healthy Environment	11 th (2011) The Reasoning, the Science & the Law for Protecting the Island's Shoreline
4 th (2004) Water and Watersheds	12 th (2012) Downstream – Surprising Connections between Our Life and the Marine Life of Puget Sound
5 th (2005) The State of the Environment on Bainbridge Island	13 th (2013) The Future of Trees on Bainbridge Island
6 th (2006) Wildlife and their Island Habitat	
7 th (2007) Aquatic Life and Habitat on Bainbridge Island	
8 th (2008) Positive Energy	