




## BCSGA Workshop Agenda, Friday, October 19, 2012

Time	Topic	Speaker
10:00 – 10:15	Registration & Coffee	
10:15 – 11:15	Seed Shortage & Hatchery Development	Tom Henderson, <i>Mariculture Manager - Oceans Alaska</i>
11:15-11:45	Vp Program	Hannah Bailey, <i>Fish Policy Officer- Canadian Food Inspection Agency</i>
11:45-12:00	Phytoplankton Distribution	Terri Sutherland, <i>Research Scientist – Department of Fisheries &amp; Oceans</i>
<i>12:00 to 1:00</i>	<i>LUNCH</i>	<i>IN ROOM BUFFET</i>
1:00 – 1:15	Shellfish Aquaculture in Japan	Keith Reid, <i>Owner, Stellar Bay Shellfish</i>
1:15-1:40	University of Victoria - CART Network Update	Dr. Stephen Cross, <i>Professor – University of Victoria</i>
1:40-2:05	Sea Cucumber	Lora Tryon, <i>Fish Biologist - Lake Trail Environmental Consulting</i>
2:05-2:30	Centre for Shellfish Research (CSR) Update	Sara Dudas, <i>Research Scientist – Centre for Shellfish Research</i>
2:30-3:00	Bivalves Suspended	Dr. Robert Marshall, <i>Senior Biologist - Mac's Oysters</i>
3:00-3:15	Lizotte Processing Technologies	Steven Lizotte, <i>Consultant – Lizotte Consultants</i>
<i>3:15-3:30</i>	<i>COFFEE BREAK</i>	<i>Sponsored by  www.barrplastics.com</i>
3:30-4:00	Environmental Management Codes of Practice Project	Matthew Wright, <i>Communications Manager, BCSGA</i>

## **SPEAKER BIOS**

### **Tom Henderson, Mariculture Manager - Oceans Alaska**

Tom Henderson / Mariculture Director OceansAlaska: Tom graduated from Haines High School, Haines, Alaska and attended Sheldon Jackson College in Sitka. In 1981 Tom graduated from Colorado State University with a BS in microbiology, with an emphasis on fish diseases. Starting in high school and continuing through his college years, summers were spent on either a fish boat, or working with Alaska Dept. of Fish and Game. Tom worked for Prince William Sound Aquaculture Corp. multiple times between 1977 until 1994 when he finished his salmon career at Esther Hatchery (WNH). In 1994 Tom left PWSAC and bought a small oyster farm south of Kake, and has remained there since. He has crewed in various fisheries over the years- including halibut longline and salmon seine, and owned and fished a dungeness crab permit. Today, Tom retains an interest in all aquaculture and mariculture. He remains as president of the board for the Gunnuck Creek Hatchery in Kake and is employed by OceansAlaska as mariculture director, promoting mariculture through education, training and support services, which now includes a small and expanding hatchery.

### **Hannah Bailey, Fish Policy Officer, Canadian Food Inspection Agency**

Hanna Bailey is an acting Fish Policy Officer with the Western Area Fish Program Network at the Canadian Food Inspection Agency (CFIA), responsible for the molluscan shellfish file under the Canadian Shellfish Sanitation Program. She earned a B.Sc. degree from Queen's University and has worked in academic research laboratories as well as the CFIA Microbiology & Marine Toxin Laboratory.

### **Terri Sutherland, Research Scientist – Department of Fisheries & Oceans**

Dr. Sutherland is a research scientist with Fisheries and Oceans Canada located at the UBC-DFO Centre for Aquaculture and Environmental Research. She has carried out research projects on Roberts Bank in collaboration with Environment Canada and Natural Resources Canada,

### **Matthew Wright, Communications Manager, BCSGA**

Matthew Wright is the Communications Manager at the BC Shellfish Growers Association and Executive Director of the BC Shellfish Festival. He has worked over 6 years in the agri-food industry in Manitoba with the Manitoba Cattle Producers Association and now with shellfish farmers in BC. After obtaining a communications degree from Red River College in Winnipeg, he spent a few years as a journalist reporting on agricultural issues before jumping into a communications position full-time. Developing communication and marketing strategies are his focus and the last few years in the shellfish industry have been keeping him busy with a multitude of projects including developing an update Environmental Management Code of Practice for the BC shellfish industry.



Special thanks to all today's presenters for generously donating their time and expertise to the benefit of the shellfish farming community in BC.



Coffee Break generously sponsored by



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## **2012 Workshops**

**Friday October 19th**

**Best Westerly Hotel**

**590 Cliffe Ave., Courtenay, BC**

**10am - 4pm**

**Sara Dudas , Research Scientist – Centre for Shellfish Research**

Received her undergrad in Marine Biology from the University of Guelph then worked at the Vancouver Aquarium leading habitat restoration programs. Went on to work at Fisheries and Oceans Canada doing a marine non-indigenous species project and then went to UVic where she received her PhD. After that she went to Oregon State University where she did a postdoctoral fellowship looking at how ocean currents influence the replenishment of benthic communities and larval dispersal. Following that Sarah went on to do some teaching at UVic and BMSC before starting at VIU. This past summer she started a research program to look at how shellfish aquaculture activities interact with the ecosystem in which they occur.

**Dr. Robert Marshall, Senior Biologist- Mac's Oysters**

Dr. Marshall is currently working on various nursery and depuration projects.

**Steven Lizotte, Consultant – Lizotte Consultants**

Upon completion of his business degree from the University of Moncton, NB he was in search of a personal life experience. Finding it in Cambridge Bay Nunavut in April 2008, he worked as Director Corporate Services for the department of Health and Social Services for 3 years. In 2011 he accepted the acting role of Executive Director of the department of Health and Social Services. Since 2008 he has had the opportunity to travel the world including: Vietnam, Thailand, Cambodia, Australia, New Zealand, South Africa, Swaziland, Portugal, Spain, Scotland, Paraguay, Venezuela, Bolivia, Ecuador, Peru, etc. He returned to New Brunswick in May 2012 where he works in the family business while completing his master degree in business administration.

and including an inter-causeway biodiversity study as well as a climate change sensitivity analysis. She was appointed to the Committee by Environment Canada.

**Keith Reid, Owner, Stellar Bay**

Keith started Odyssey Shellfish over 20 years ago and now employs over 25 people. He has been the President of the BC Shellfish Growers Association for over ten years. Keith designed the raft systems, High Flow trays, and other innovations currently used by much of the shellfish industry. Keith designed and built the first FLUPSY system used in BC. He initiated many of the carrying capacity studies done on the coast and was involved in water quality initiatives.

**Dr. Stephen Cross, Professor – University of Victoria**

Since he began his aquaculture career in 1985, Dr. Stephen Cross has contributed to regional sustainable industry development in a variety of roles - as a consultant, a researcher, and as a producer. In addition to operating the first licensed Integrated Multi-Trophic Aquaculture facility at his farm in Kyuquot Sound, Steve also maintains a position as an Associate Professor and Director of the University of Victoria Coastal Aquaculture Research & Training (CART) Network. In his academic role he continues to assist industry in acquiring graduate (research) students to address and focus on key developmental and operational priorities. Today's talk will describe a new CART research initiative that examines the potential of sea cucumbers as an additional species to shellfish aquaculture.

**Lora Tryon, Fish Biologist - Lake Trail Environmental**

Lora Tryon, R.P.Bio, is the owner of Lake Trail Environmental Consulting, an independent consulting company out of Cumberland, British Columbia. Lora received her MSc degree from Royal Roads University in Environment and Management in 2012, and her BSc from Malaspina University-College (now VIU) in Fisheries and Aquaculture in 2000. She is a certified as an Occupational Scuba Diver, and experienced in marine and freshwater environmental assessments, stock assessment, and marine and freshwater habitat restoration. She has a management planning background in shellfish aquaculture, marine foreshore development projects, and estuary and watershed protection and restoration. Current projects include an adaptive management plan for sea cucumber aquaculture in Baynes Sound and a plan to restore eelgrass and saltmarsh for climate change mitigation and adaptation in the K'omox estuary.