



12TH INTERNATIONAL CONFERENCE ON SHELLFISH RESTORATION

HEALTHY COASTAL ENVIRONMENTS FOR SUCCESSFUL SHELLFISH RESTORATION

CHARLOTTETOWN, PRINCE EDWARD ISLAND, CANADA
SEPTEMBER 15 TO 18, 2009

WEDNESDAY, SEPTEMBER 16, 2009

8:00am-5:00pm	REGISTRATION/INFORMATION DESK OPEN		
7:00am-8:30am	NUTRITION BREAK		
	GEORGIAN BALLROOM		
8:30am-8:45am	<i>OFFICIAL CONFERENCE OPENING</i> DR. JEFF DAVIDSON, Organizing Committee		
	<i>CONFERENCE OVERVIEW</i> KELLY CANTELO, Organizing Committee		
8:45am-9:00am	<i>OPENING REMARKS</i> HON. NEIL LECLAIR, PEI MINISTER OF FISHERIES, AQUACULTURE AND RURAL DEVELOPMENT		
9:00am-9:15am	<i>HONORARY SHELLFISH ENHANCEMENT RECOGNITION AWARD</i> PRESENTATION TO CLYDE MACKENZIE		
9:15am-10:00am	<i>KEYNOTE ADDRESS</i> ROWAN JACOBSEN		
10:00am-10:30am	NUTRITION BREAK		
MORNING CONCURRENT SESSIONS		GRAFTON ROOM (2ND FLOOR)	KENT ROOM (2ND FLOOR)
		OYSTER ENHANCEMENT STRATEGIES AND TECHNIQUES	WATER QUALITY AND LAND USE INTERACTIONS
SESSION CHAIRS		FRANK HANSEN MATT SMITH	CINDY CRANE DELLY KEEN MARC OUELLETTE
10:30am-11:00am	<i>Session Keynote</i>	<i>Tristan Hugh-Jones</i> "Loch Ryan Oyster Beds, Scotland"	<i>Odd Lindahl</i> "Recycling Of Nutrients By Mussel Farming - The Swedish Experience"
11:00am-11:20am	Presenter	David Schulte "Unprecedented Restoration Of A Native Oyster Metapopulation"	George Somers "Stable Isotope Studies Shed Light On The Behavior And Transfer Of Nitrogen From Soils To Water In Contrasting Agricultural Settings In PEI"
11:20am-11:40am	Presenter	Marc Ouellette "Ecological Restoration Of Shellfish Populations In The Southern Gulf Of St. Lawrence: Strategies And Techniques"	Yefang Jiang "Predicting Nitrate Levels In Receiving Waters From Land Use In PEI"
11:40am-12:00pm	Presenter	Timothy Milligan "Oysters And Mud: Sediment Dynamics In Bedeque Bay"	Denise Breitburg "Eutrophication Of Estuaries & Consequences"
12:00pm-1:30pm	LUNCH		

WEDNESDAY, SEPTEMBER 16, 2009

AFTERNOON CONCURRENT SESSIONS		GRAFTON ROOM (2 ND FLOOR)	KENT ROOM (2 ND FLOOR)
		OYSTER ENHANCEMENT STRATEGIES AND TECHNIQUES	WATER QUALITY AND LAND USE INTERACTIONS
1:30pm-2:00pm	<i>Session Keynote</i>	Frank Hansen <i>"Overview of the oyster enhancement program conducted by the PEI Shellfish Association"</i>	Loren Coen <i>"Ecosystem Services Related To Shellfish Restoration: Water Quality And Land Use Interactions"</i>
2:00pm-2:20pm	Presenter	Benjamin Stone <i>"Determination Of The Amount Of Oyster Shell Available For Recycling Across The State Of South Carolina Through The Use Of Surveys."</i>	Fred Cheverie <i>"Watershed Planning: The Souris Experience"</i>
2:20pm-2:40pm	Presenter	Peter Kingsley-Smith <i>"Optimizing Enhancement And Restoration Strategies Using Comparisons Of Oyster Reef Distributions Mapped Over A Multi-Decadal Timescale In South Carolina, USA."</i>	Bruce Raymond <i>"PEI Buffer Zones - New And Improved"</i>
2:40pm-3:00pm	Presenter	Russell Burke <i>"Eastern Oyster Recruitment And Survival On Alternative Reef Substrates In Chesapeake Bay, USA"</i>	Shawn Hill <i>"The Alternate Land Use Services (ALUS) Program - Going Above And Beyond"</i>
3:00pm-3:20pm	Presenter	Leslie Sturmer <i>"Enhancing Oyster Reef Habitat With By-Products Of A Clam Aquaculture Industry In Cedar Key, Florida, USA"</i>	Kelly Munkittrick <i>"Watersheds Research Consortium: Supporting Cumulative Impacts Assessments"</i>
3:20pm-3:50pm	NUTRITION BREAK		
3:50pm-4:10pm	Presenter	Joy Brown <i>"Jeremy Island Oyster Castles TNC South Carolina Pilot Project"</i>	Marc Ouellette <i>"Coastal Management: Bridging The Land-Water Divide"</i>
4:10pm-5:00pm		PANEL DISCUSSION	PANEL DISCUSSION
5:00pm-6:00pm	GEORGIAN BALLROOM CONFERENCE POSTER SESSION (all delegates welcome to view the conference posters with refreshments and snacks)		
	Julie Pariseau <i>"Diagnostic Test For Tunicates Identification In Prince Edward Island, Canada"</i>		
	Kristen Murray <i>"Green Crabs As Barriers To Oyster Bed Restoration: Predator Response To Variation In Small Oyster Densities"</i>		
	Jessica Willis <i>"Development Of A Molecular Assay For The Detection Of The Invasive Tunicate Diplosoma listerianum In Water Samples"</i>		
	Joy Brown <i>"TNC Oyster Castles On The U.S. East Coast"</i>		

THURSDAY, SEPTEMBER 17, 2009

8:00am-5:00pm	REGISTRATION/INFORMATION DESK		
	GEORGIAN BALLROOM		
8:30am-09:15am	KEYNOTE ADDRESS	BARRY KING	
	MORNING CONCURRENT SESSIONS	RICHMOND ROOM (2ND FLOOR)	KENT ROOM (2ND FLOOR)
	SESSION CHAIRS	PESTS AND PREDATORS	AQUACULTURE
		JEFF DAVIDSON PEDRO QUIJON	CORINA BUSBY PETER WARRIS
9:20am-9:50am	Session Keynote	Paul Fofonoff <i>"Patterns and impacts of biological invasions in North American estuarine and marine waters- Implications for ecological restoration"</i>	John Holmyard <i>"Shellfish Aquaculture as an Environmental Service"</i>
9:50am-10:10am	Presenter	Louis Ferguson <i>"The Potential Impact Of Didemnum Vexillum On The PEI Shellfish Industry"</i>	Sandy Macfarlane <i>"Developing Best Management Practices For The East Coast Shellfish Aquaculture Industry"</i>
10:10am-10:30am	Presenter	Pedro Quijon <i>"Beyond Shellfish Sustainability And Restoration: The Community Effects Of A Non-Indigenous Predator On Shoreline Ecosystems"</i>	Don Merritt <i>"Oyster Restoration in Maryland's Chesapeake Bay: Production, Problems and Promise"</i>
10:30am-11:00am	NUTRITION BREAK		
11:00am-11:20am	Presenter	Tyler Pickering <i>"Natural Sources Of Mortality Affecting American Oyster (Crassostrea Virginica) Wild Beds: Crab Predation Rates And Oyster Size Vulnerability"</i>	John Scarpa <i>"Comparison Of Eastern Oysters (Crassostrea Virginica) At Three Sites In Lake Worth Lagoon, Florida"</i>
11:20am-11:40am	Presenter	Thomas Therriault <i>"Invasive Tunicates As Marine Pests In Shellfish Aquaculture: Potential Implications For Restoration Efforts"</i>	John Ewart <i>"Small-Scale Remote Setting and use of Existing Off-Bottom Structure For Oyster Stock Enhancement In Delaware's Coastal (Inland) Bays"</i>
11:40am-12:00pm	Presenter	Sarah Clark <i>"Field Validation Of Molecular Assays Developed To Detect Invasive Tunicate Egg And Larvae In Shellfish Aquaculture Water Samples"</i>	Kim Gill <i>"Management of Fouling Organisms on PEI Oyster Aquaculture Operations"</i>
12:00pm-12:20pm	Presenter	Ahmed Siah <i>"Multiplex Branched Dna As A Sensitive Assay To Detect Tunicate Aquatic Invasive Species In Prince Edward Island Sea Water"</i>	Shawn Robinson <i>"Using A Multifaceted Approach To Deal With The Organic Extractive Component Of The Integrated Multi-Trophic Aquaculture (IMTA) Project In The Bay Of Fundy"</i>
12:20pm-1:30pm	LUNCH		

THURSDAY, SEPTEMBER 17, 2009

AFTERNOON CONCURRENT SESSIONS		RICHMOND ROOM (2 ND FLOOR)		KENT ROOM (2 ND FLOOR)	
		COMMUNITY		PHYSIOLOGY AND DISEASE	
SESSION CHAIRS		RANDY ANGUS SARAH-JANE BELL		LUC COMEAU REJEAN TREMBLAY	
1:30pm-2:00pm	<i>Session Keynote</i>	Bill Dewey <i>"Farming the Tidelands"</i>		Jose Babarro <i>"Byssus Secretion In Mytilus Galloprovincialis"</i>	
2:00pm-2:20pm	Presenter	Randy Angus <i>"Restorative Resource Management for Shellfish in PEI's Aboriginal Communities"</i>		Stefania Chiesa <i>"Molecular Identification Of Italian Commercial Shellfish Species"</i>	
2:20pm-2:40pm	Presenter	Leslie-Anne Davidson <i>"Sea Scallop (Placopecten Magellanicus) Enhancement Project In New Brunswick, Canada"</i>		Denise Methe <i>"American Oyster (C. Virginica) Productivity And Physiological Condition At Low And High Salinity Sites"</i>	
2:40pm-3:00pm	Presenter	Marie-Helene Theriault <i>"Community Aquatic Monitoring Program (CAMP)"</i>		Mary Stephenson <i>"Establishment Of American Oyster Sanctuaries Following A MSX Outbreak In The Bras d'Or Lakes Of Nova Scotia, Canada"</i>	
3:00pm-3:30pm	NUTRITION BREAK				
3:30pm-3:50pm	Presenter	Melissa Price <i>"Soft Shell Clam Enhancement work in South Western NB"</i>		Bertrand Genard <i>"Multidisciplinary Study Of Short Term Bacterial Challenge Impact On Immune-Related Parameter Of Pacific Oyster (Crassostrea Gigas) Larvae"</i>	
3:50pm-4:10pm	Presenter	Arthur Bull <i>"Pollution, Privatization and Politics: Recent Challenges to the Clam Industry in the Annapolis Basin"</i>		Julien Normand <i>"Phenotypic And Genetic Analysis Of The Variation In Reproductive Effort Of Triploid Pacific Oysters (Crassostrea Gigas)"</i>	
4:10pm-4:30pm	Presenter	Maryse Cousineau <i>"The Economic Valuation Of Oyster Reef Ecosystem Services And Their Importance For Human Welfare In The Southern Gulf Of St. Lawrence"</i>		Rejean Tremblay <i>"Development And Evaluation Of Mussel Seed Quality Standards"</i>	
6:00pm-10:00pm	RIVERSIDE FEAST - Roma at Three Rivers, Brudenell, PEI Transportation provided – Buses leave Rodd Charlottetown Hotel at 6:00pm (Dinner and entertainment and transportation provided)				

FRIDAY, SEPTEMBER 18, 2009

8:00am-1:00pm		REGISTRATION/INFORMATION DESK OPEN	
MORNING CONCURRENT SESSIONS		RICHMOND ROOM (2 ND FLOOR)	KENT ROOM (2 ND FLOOR)
		FOOD SAFETY	CLAMS AND ALTERNATE SPECIES
SESSION CHAIR		DOROTHY LEONARD	LEW CLANCY
9:00am-9:30am	<i>Session Keynote</i>	Dorothy Leonard <i>"International Initiatives To Promote Shellfish Safety"</i>	Tom Shields <i>"Restoration And Enhancement Of Softshell Clam (Mya Arenaria) Populations In Boston Harbor, Massachusetts, USA"</i>
9:30am-9:50am	Presenter	Phil Bresling <i>"Aqualife: A Combined Storage and Transport Solution for Live Shellfish"</i>	Bruno Myrand <i>"Intermediate Grow-Out Of Young Soft-Shell Clams In Sand-Filled Trays Before Seeding"</i>
9:50am-10:10am	Presenter	Neil Leblanc <i>"Mussel Farming To Reduce Anthropogenic Effects In A High Risk Area On The Swedish West Coast".</i>	Timothy Willis <i>"Shellfish Aquaculture Diversification in Canada: Prioritization"</i>
10:10am-10:40	NUTRITION BREAK		
10:40am-11:00am	Presenter	Michael Quilliam <i>"The Hunt For Red Tide Toxins In Canadian Waters (A Review Of Our Toxin Discoveries)"</i>	Ahmed Siah <i>"Identification Of Transcripts Related To Viral Particles In Relation With The Development Of Haemic Neoplasia In Soft-Shell Clams Mya Arenaria From North River (Prince Edward Island, Canada)"</i>
11:00am-11:20am	Presenter	Sharon Boyne-Travis <i>"Shellfish-Related Public Health Concerns In Canada And Current Efforts To Address Them"</i>	Brian Kingzett <i>"Update on the Centre for Shellfish Research and Deep Bay Field Station"</i>
GEORGIAN BALLROOM			
11:20am-11:50am	KEYNOTE ADDRESS	PATRICK MCMURRAY	
11:50am-12:00pm	Conference Closing	Conference Co-Chairs: Thomas Landry and Neil MacNair	

PEI International Shellfish Festival - Tent Opens at Noon