



**AEHMS 11**  
An International Conference

***Program-at-a-Glance***

<b>Monday, June 17</b>	
9:00-5:30	POLIS freshwater workshop and fieldtrip

<b>Tuesday, June 18</b>		<b>Wednesday, June 19</b>		<b>Thursday, June 20</b>	
8:30	Registration	9:00-10:20	Session 2	9:00-9:40	Keynote
9:00-10:10	Opening & welcome	10:20-10:40	Break	9:40-10:20	Session 4
10:10-10:40	Break	10:40-11:40	Session 2	10:20-10:50	Break
10:40-11:20	Keynote	11:40-12:40	Lunch	10:50-12:10	Session 4
11:20-12:20	Session 1	12:40-1:20	Keynote	12:10-1:30	Lunch
12:20-1:30	Lunch	1:20-2:20	Session 3	1:30-3:35	Public session
1:30-2:10	Keynote	2:20-2:40	Break	3:35-4:05	Break
2:10-2:50	Session 1	2:40-3:40	Session 3	4:05-4:50	Panel Discussion
2:50-3:20	Break	6:30	Mixer & BBQ dinner		Conference summary
3:20-5:20	Poster session			6:30	Mixer & BBQ dinner
	Documentary film screening				

<b>Friday, June 21</b>	
10:00-3:00	Post-conference whale watching excursion

**Please note:**

All presentations and posters are the property of the presenter. Audio recordings, copying, videotaping or photography of the presentations is prohibited. Media should obtain the permission of the conference chair for use of any conference material.

We request participants to switch off mobile phones in the conference hall.

Thank you for your cooperation!



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**Program**

<b>Monday, June 17<sup>th</sup></b>	
<b>Pre-Conference Workshop and Fieldtrip</b>	
9:00-3:30	POLIS workshop and fieldtrip (for details see workshop program)
3:30-5:30	Section of the workshop open to the public

<b>Tuesday, June 18<sup>th</sup></b>			
8:30	Registration desk opens		
9:00-10:10	Conference opening Welcome to the traditional territory Welcoming reflections on traditional governance: Eli Enns Welcome by the President of the Aquatic Ecosystem Health & Management Society		
10:10-10:40	Break		
<b>Session 1. Climate Change and Lake Dynamics</b>			
10:40-11:20	S1.01	<i>Keynote: Jack Vallentyne memorial lecture - M. Kernan</i>	<i>Managing freshwater ecosystems and freshwater biodiversity under changing climate</i>
11:20-11:40	S1.02	P. Nõges	Lake management in a changing climate
11:40-12:00	S1.03	P. Weidman	Warming and drought stimulate phytoplankton and zooplankton production in a fishless alpine lake: Forecasts using structural equation models and long-term data
12:00-12:20	S1.04	C. Sullivan	Spatial and temporal variation of carbonate chemistry in San Juan Channel, WA
12:20-1:30	Lunch		
1:30-2:10	S1.05	<i>Keynote: M. Munawar</i>	<i>A top down assessment of the state of the Laurentian Great Lakes: Ecology, health and management</i>
2:10-2:30	S1.06	T. Nõges	Recent developments of large lake studies in Estonia
2:30-2:50	S1.07	M. Fitzpatrick	Management capacity building with long term data sets: Lessons from the Bay of Quinte, Lake Ontario
2:50-3:20	Break		
3:20-5:20	<b>Poster session</b>		
	Wine and cheese		
	Screening of documentary films "Voices of the River" and "Troubled Water"		

Poster Session		
P.01	S. Bollens	Assessing the role of zooplankton grazing on the development and decline of harmful cyanobacteria blooms in a tidally-influenced floodplain lake (Vancouver Lake, WA, USA)
P.02	M. Bringue	Seasonal variations of dinoflagellate cyst production in the Santa Barbara Basin: records of coastal upwelling and harmful algal blooms
P.03	J. Del Bel Belluz	Spatial and temporal optical characterization of the particulate plume dispersing from the fed components at an Integrated Multi-Trophic Aquaculture (IMTA) system in Kyuquot Sound, British Columbia
P.04	H. El-Serehy	Abundance and diversity of surface microplankton at the Bitter Lake: a hyper saline lake on the Suez Canal, Egypt
P.05	M. Fitzpatrick	Assessing Great Lakes phytoplankton community composition: Comparison of microscopic and fluorometric techniques
P.06	C. Gilpin	Diel temperature and dissolved oxygen patterns inside and outside of sites with planktonic life stage of <i>Thompsodinium</i> intermedium in Comal Springs, Texas Summer 2011
P.07	J. Gross	The Effects of Pulse Pressure from Seismic Water Gun Technology on Northern Pike
P.08	K. Pawluk	Impacts and interaction: the role of two introduced seaweeds in Baynes Sound, British Columbia
P.09	M. A. Rahman	Captive Breeding and Seed Production of the Endangered Giant River Catfish, <i>Sperata seenghala</i> (Skyles) for Species Conservation and Aquaculture Production
P.10	L. Reshitnyk	Remote sensing of nearshore marine habitats using single beam echo sounders - 50 kHz or 200 kHz?
P.11	J. Sherry	Wild fish from the Bay of Quinte Area of Concern contain elevated tissue concentrations of PCBs and exhibit evidence of endocrine-related health effects
P.12	A. Stewart-Malone	The effect of UV-C on larval survival of the quagga mussel
P.13	V. Tunnicliffe	Can we estimate deep-sea benthic biodiversity from ship-based multibeam sonar?
P.14	V. Tunnicliffe	A preliminary study on the effect of earthquakes in abundances of flatfish, ghost shrimps and Squat lobsters on Saanish Inlet
P.15	T. Wagner	Impulsive Sound as an Invasive Aquatic Species Suppression Strategy
P.16	C. Wong	Presenting the facts, inspiring action – Measuring the health of the Salish Sea using transboundary ecosystem indicators

**Wednesday, June 19<sup>th</sup>**

**Session 2. Plankton and Invasive Species**

9:00-9:20	S2.01	H. El-Serehy	Migration activity of zooplankton between the Red Sea and Mediterranean across the Suez Canal
9:20-9:40	S2.02	S.M.N. Amin	Temporal variation of fish and shrimp assemblages in Merbok River Estuary, Tanjung Dawai, Kedah, Malaysia
9:40-10:00	S2.03	M.A. Rahman	First successful culture of a tropical sea urchin, <i>Salmacis sphaeroides</i> (Linnaeus, 1758) in captivity
10:00-10:20	S2.04	M. Herborg	Aquatic invasive species in BC: Challenges and opportunities
10:20-10:40	Break		
10:40-11:00	S2.05	D. Kreuzweiser	Invasive forest insects pose risks to fisheries habitat: An Emerald Ash Borer case study
11:00-11:20	S2.06	M. Alldred	Impacts of invasive-plant management on nitrogen-removal services in freshwater tidal marshes
11:20-11:40	S2.07	S. Bollens	Invasive copepods and plankton dynamics of the Columbia River Estuary
11:40-12:40	Lunch		

**Session 3. Tools, Toys and Techniques**

12:40-1:20	S3.01	<i>Keynote: P. McGillivray</i>	<i>Autonomous technologies for freshwater &amp; marine ecosystem monitoring</i>
1:20-1:40	S3.02	C. Barnes	The health and status of marine ecosystems potentially monitored in real-time through new mini-observatories along repeated telecommunication cables
1:40-2:00	S3.03	J. Longo	Sandbagging the flood of oceans observation data
2:00-2:20	S3.04	J. Nephin	Data quality in crowdsourced citizen-science: A Digital Fishers case study
2:20-2:40	Break		
2:40-3:00	S3.05	D. Malley	Determination of carbon, nitrogen and phosphorus in sediments and seston of Canadian lakes using near-infrared spectroscopy
3:00-3:20	S3.06	J. Sherry	Differential gene expression in rainbow trout ( <i>Oncorhynchus mykiss</i> ) exposed to Randle Reef sediment
3:20-3:40	S3.07	S. Tang	Mapping heavy metal zinc in the particulate phase from MERIS in the Pearl River Estuary
3:40-6:30	Conference outing		
6:30-7:00	Mixer		
7:00	Outdoor BBQ Dinner		

## Thursday, June 20<sup>th</sup>

### Session 4. Management, Adaptation and Policy

9:00-9:40	S4.01	<i>Keynote: P. Owens</i>	<i>The health and status of freshwater ecosystems in Canada: The role of science</i>
9:40-10:00	S4.02	R. Nordin	Stewardship and citizen science as a path to water management and protection
10:00-10:20	S4.03	M. Kernan	Adaptive strategies to mitigate the impacts of climate change on European freshwater Ecosystems - case studies from Europe
10:20-10:50	Break		
10:50-11:10	S4.04	J. Blythe	Uncertainty and risk: The case of the White Spot Virus in Mozambique
11:10-11:30	S4.05	D. Malley	Building social process through paraprofessional ecohealth networks in the Philippines, the Canadian Arctic and the Lake Winnipeg Basin
11:30-11:50	S4.06	E. Latham	A forced model of adaptive management in British Columbia's aquaculture sector
11:50-12:10	S4.07	L. Sheehan	Ecosystem-based governance
12:10-1:30	Lunch		

### Public Session Sustainability Science and Public Policy Perspectives

1:30-2:15	Buzz Holling
2:15-2:35	Kate Moran
2:35-2:55	Judith Sayers
2:55-3:35	Public Discussion
3:35-4:05	Break
4:05-4:35	Panel Discussion
4:35-4:50	Conference Overview & Summary
4:50-5:00	Adjournment

## Friday, June 21<sup>st</sup>

### Post-Conference Excursion

10:00-10:30	Travel from Delta Ocean Pointe hotel to Eagle Wing Tours (EWT) dock
10:30-11:00	EWT briefing and safety info
11:00-2:30	Whale watching tour
2:30-3:00	Return to Delta Ocean Pointe hotel